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Company Profile

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Company Profile

Success connects

Electrical energy is an indispensable part of our daily life – at home, at work, in the car, in our free time...

A great number of specialists contribute to the easy and safe handling of power. Our specialty field is electrical connection technology.

The electric wiring systems of today's automobiles are highly complex arrangements connecting aggregates and control units with one another and thus ensuring safe and smooth operation. For this reason, great importance is attached to connector technology. The connecting elements must satisfy highest demands regarding product development, faultless production, performance and reliability.

LEAR Corporation is one of the leading suppliers of the automotive industry for electric wiring systems, vehicle electronics and connector technology. New products and technologies are developed by specialists in competence centers throughout the world.

As a business unit Terminals & Connectors within the LEAR Corporation, we are one of the leaders in connector technology and one of the most important manufacturers in this market segment. Under the LEAR trademark, we develop, manufacture and sell electromechanical components: Terminals, housings, power distribution boxes, fuse boxes and other products. Our partner SCHLEUNIGER offers processing equipment which is harmonized with these products and jointly developed. We provide an extensive range of products to our users in the automotive, domestic appliances and communication industry as well as many other sectors.

Decades of experience, consequent quality management and steady growth ensure a leading edge in technology to our partners also in future. Confidence in our performance and intensive exchange of experience and ideas generate solutions for the future.

Firmenportrait

Erfolg verbindet

Elektrische Energie ist unverzichtbarer Bestandteil unseres Alltags: im Haushalt, am Arbeitsplatz, im Auto, in der Freizeit...

Eine Vielzahl von Spezialisten tragen zum gewohnt problemlosen und sicheren Umgang mit Strom bei. Unser Fachgebiet ist die elektrische Verbindungstechnik.

Die elektrischen Bordnetze heutiger Automobile sind hochkomplexe Gebilde, die Aggregate und Steuergeräte miteinander verbinden und so für einen sicheren und störungsfreien Betrieb sorgen. Der Verbindungstechnik kommt aus diesem Grund besondere Aufmerksamkeit zu. Von den Verbindungselementen wird die Erfüllung höchster Ansprüche erwartet: in der konstruktiven Auslegung, der fehlerfreien Fertigung, der Leistungsfähigkeit und der Zuverlässigkeit.

Die LEAR Corporation ist einer der weltgrößten Automobilzulieferer für elektrische Bordnetze, Fahrzeugelektronik und Verbindungstechnik. In Kompetenzzentren weltweit entwickeln und konstruieren Spezialisten neue Produkte und Technologien.

Als Geschäftseinheit Terminals & Connectors der LEAR Corporation gehören wir zu den Großen in der Verbindungstechnik und zu einem bedeutenden Systemhersteller in diesem Marktsegment. Unter dem Markenzeichen LEAR entwickeln, fertigen und vertreiben wir elektromechanische Bauelemente: Kontakte, Gehäuse, Stromverteiler, Sicherungsdosen und andere Produkte. Unser Partner SCHLEUNIGER bietet auf diese Produkte abgestimmte und gemeinsam entwickelte Verarbeitungsmittel an. Unseren Anwendern in der Automobil-, Hausgeräte- und Kommunikationsindustrie sowie in vielen anderen Bereichen bieten wir ein umfassendes Programm.

Jahrzehnte lange Erfahrung, konsequentes Qualitätsmanagement und stetes Wachstum sichern unseren Partnern den technologischen Vorsprung auch in der Zukunft. Das Vertrauen in unsere Leistung und intensiver Erfahrungs- und Ideenaustausch lassen zukunftsweisende Lösungen entstehen.

Company Profile

Success connects

This requires a constantly high level of investment in research and development. For only state-of-the-art technology and the most sophisticated production techniques can meet with the high demands customers today make on modern connector systems. Cutting-edge technology and qualified employees guarantee modern, high-quality products.

Firmenportrait

Erfolg verbindet

Das setzt permanent hohe Investitionen in Forschung und Entwicklung voraus. Denn nur Spitzentechnologie und neueste Produktionstechniken werden den hohen Ansprüchen gerecht, die Anwender heute an moderne Verbindungssysteme stellen. Spitzentechnologie und qualifizierte Mitarbeiter sind die Garantie für zeitgemäß hochwertige Produkte.

Company Profile

Sites

LEAR Corporation is one of the world's leading automotive suppliers. The competence center of the business unit Terminals & Connectors is located in Remscheid, Germany. It is in charge of the international sales network and the global production sites.

The broad, international LEAR network ensures access to all markets.

Technical offices in North America and Asia provide for a face-to-face contact with our customers and short development times.

Worldwide corporate sales offices and sales representatives, e.g. in North and South America, France, Sweden, Italy, Japan, China, Korea and a great number of other countries ensure our presence at the final customers and purchasers on the spot.

Furthermore, our production sites in Germany, the Czech Republic and the USA guarantee proximity to our customers and high availability of our products on local markets.

Firmenportrait

Standorte

Die LEAR Corporation ist einer der weltweit größten Automobilzulieferer. Das Kompetenzzentrum des Geschäftsbereiches Terminals & Connectors hat seinen Sitz in Remscheid, Deutschland. In diesem Kompetenzzentrum laufen die Fäden des international ausgerichteten Vertriebsnetzes und der global aufgestellten Fertigungsstätten zusammen.

Das umfassende, international aufgestellte LEAR Netzwerk sichert uns den Zugang zu allen Märkten.

Technische Büros in Nord-Amerika und in Asien garantieren einen direkten Kontakt zu unseren Kunden und kurze Entwicklungszeiten.

Eigene Vertriebsbüros und Vertretungen weltweit, zum Beispiel in Nord- und Süd-Amerika, in Frankreich, Schweden, Italien, Japan, China, Korea, und eine Vielzahl weiterer Länder, sichern unsere Präsenz bei unseren Endkunden und dortigen Abnehmern.

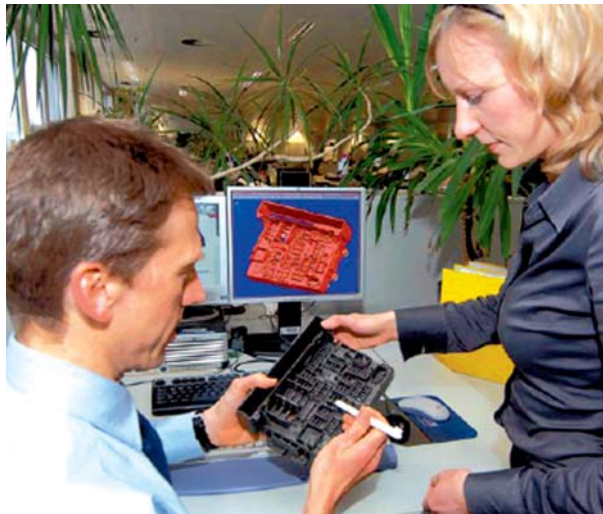
Darüber hinaus gewährleisten Produktionsstätten in Deutschland, Tschechien und den USA die Nähe zu unseren Kunden und eine hohe Verfügbarkeit unserer Produkte in den regionalen Märkten.

Company Profile

Electromechanical Components

The steadily increasing influence of technology on today's environment places ever higher demands on the connector technology. As a consequence, the requirements in the development and production departments of LEAR increase. Only the latest technology and modern, efficient production techniques can keep abreast of today's requirements.

Our products meet the highest demands, e.g. terminals with stainless steel springs for extreme load and best performance or the water and/or oil-proof systems for applications in extreme environments or lamella systems in ultrasonic welding technique for highest currents.



Skilled engineers design entire connection systems on linked CAD workstations. Schleuniger, our competent partner in processing technology, develops processing equipment for our terminal systems in conjunction with LEAR. Shorter development times are achieved applying simulation tools such as Finite Element Analysis. After thorough testing of the prototypes, the products are released for production.

High-performance, high-speed presses with precision progression tools produce millions of terminals per day.

Firmenportrait

Elektromechanische Bauelemente

Die stetig fortschreitende Technisierung unserer Umwelt stellt immer höhere Anforderungen an die Verbindungstechnik. Entsprechend wachsen die Ansprüche in den Entwicklungs- und Produktionsabteilungen von Lear. Nur Spitzentechnologien und moderne, rationelle Fertigungsverfahren machen es möglich, Schritt zu halten.

Unsere Ergebnisse können sich sehen lassen, z. B. Kontakte mit Stahlfeder für größte Beanspruchung und höchste Betriebssicherheit, wasser- und/oder ölgedichtete Systeme für den Einsatz in extremen Umgebungen oder Lamellensysteme in Ultraschallschweißtechnik für sehr hohe Ströme.

Erfahrene Produktentwickler konstruieren komplette Verbindungssysteme an vernetzten CAD-Arbeitsplätzen. Schleuniger, unser kompetenter Partner in der Verarbeitungstechnik, entwickelt parallel und in ständigem Austausch mit LEAR abgestimmte Verarbeitungsmittel für unsere Kontaktsysteme. Verfahren, wie die nach der Finite-Elemente-Methode, tragen zu reduzierten Entwicklungszeiten bei.

Nach eingehender Prüfung der Prototypen erfolgt die Freigabe für die Produktion. Hochleistungsstanzautomaten mit Präzisionsverbundwerkzeugen fertigen täglich Millionen von Kontakten.

Company Profile

Electromechanical Components

Selective finishing processes with precious metals ensure economical material usage. For years, LEAR has been dispensing with finishes that are harmful to the environment and changing over to alternative surfaces treatments. Our customers and their end users directly benefit from this.

Plastic housings are an essential component of an electrical connection. They combine several terminals in a small place, protect against touch, short circuits and environmental influences and – last but not least – ease handling.



The production of these complex plastic housings requires microprocessor-controlled injection moulding machines with in-mould pressure measurement. They enable the integration of metal parts in the injection moulding process.

Moulds and stamping tools are also produced in-house on modern NC machines using the most recent erosion methods.

Assembly equipment developed by LEAR complements terminal components and housings.

Our comprehensive quality management system ranges from development up to the use of a product at the customer.

Firmenportrait

Elektromechanische Bauelemente

Selektivbeschichten mit hochwertigen Edelmetallen gewährleistet wirtschaftlichen Materialeinsatz. Der Verzicht auf umweltbelastende Beschichtungen und die Umstellung auf alternative Überzüge, von LEAR schon vor Jahren konsequent vorangetrieben, kommt unseren Kunden und deren Endabnehmern direkt zugute.

Kunststoffgehäuse ergänzen in mehrfacher Hinsicht eine elektrische Verbindung. Auf engstem Raum vereinen sie eine Vielzahl von Kontakten. Sie schützen gegen Berührung, Kurzschluß und vor Umwelteinflüssen und -nicht zuletzt- erleichtern sie die Handhabung.

Die Produktion dieser komplexen Gehäuse erfordert prozessorgesteuerte Spritzgießmaschinen mit Forminnendruckmessung. Sie erlauben die Integration von Metallteilen in den Spritzgießprozeß.

Auf bahngesteuerten Werkzeugmaschinen und unter Anwendung neuester Erodierverfahren entstehen Spritzgieß- und Stanzwerkzeuge auch im eigenen Haus.

Montageeinrichtungen aus eigener Entwicklung komplettieren Kontakteile und Gehäuse.

Von der Entwicklung bis zum Einsatz beim Kunden reicht unser umfassendes Qualitätsmanagementsystem.

Company Profile

Processing Equipment

Only the combination of our terminals with harmonized processing equipment guarantees a high quality connection with the wire as well as the component.

As a partner in development in the most varied industries, we are required to utilize our entire competence on finding intelligent and economical solutions for wire manufacture.



This is why we closely cooperate with SCHLEUNIGER, a globally renowned company specializing in the processing and automation technology.

Only our many years of experience in this field enable us to optimally harmonize terminals with processing equipment.

Firmenportrait

Verarbeitungsmittel

Erst die Kombination unserer Kontakte mit darauf abgestimmten Verarbeitungsmitteln schafft die garantiert hochwertige Verbindung, sowohl mit einer Leitung als auch mit einem Bauteil.

Als Entwicklungspartner der verschiedensten Industriezweige sind wir aufgefordert, unsere gesamte Kompetenz dafür einzusetzen, dass intelligente und wirtschaftliche Lösungen für die Leitungskonfektion entstehen können.

Darum arbeiten wir eng verzahnt mit SCHLEUNIGER, einem weltweit anerkannten Spezialisten für die Verarbeitungs- und Automatisierungstechnik, zusammen.

Denn erst eine langjährige Erfahrung bietet die besten Voraussetzungen, Kontakte und Verarbeitungsmittel optimal aufeinander abzustimmen.

Company Profile

Research and Development

The development of new connector systems often runs parallel to a customer's development of a new product. This process involves a high level of financial commitment over a long period of time.

Basic research is an important main requirement for new and further developments of our connector systems and their further processing.

The knowledge about new materials or processes gained in this respect is immediately included in the work of our design and production engineers.

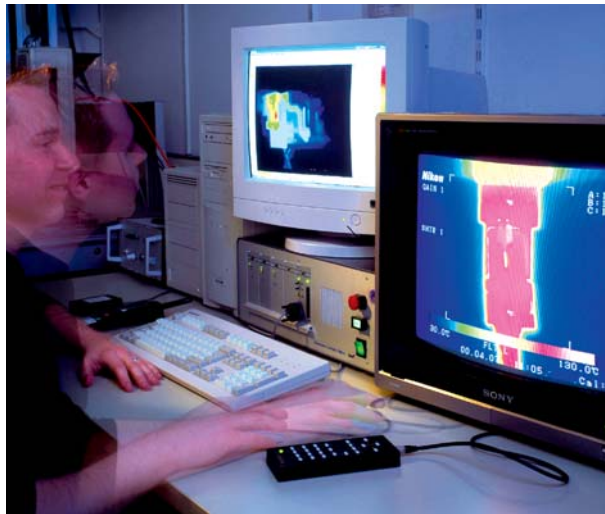
Firmenportrait

Forschung und Entwicklung

Die Entwicklung neuer Verbindungssysteme läuft häufig parallel zur Produktentwicklung des Kunden. Ein Prozeß, der Zeit in Anspruch nimmt und finanzielles Stehvermögen verlangt.

Dabei sind Grundlagenuntersuchungen eine wichtige Voraussetzung für die Neu- und Weiterentwicklung unserer Verbindungssysteme und deren Verarbeitung.

Die dort gewonnenen Erkenntnisse über neue Werkstoffe oder Verfahren fließen unmittelbar in die Arbeit der Entwickler und Fertigungsplaner ein.



The aspect of compatibility with the environment is already taken into account at this early stage.

In conjunction with our suppliers, we constantly improve the materials used in our products to open up further fields of application.

Auch der Aspekt der Umweltverträglichkeit von Produkt und Verfahren wird schon hier berücksichtigt.

Zusammen mit unseren Zulieferern verbessern wir ständig die eingesetzten Werkstoffe, um unseren Produkten erweiterte Einsatzgebiete zu erschließen.

Company Profile

Quality

At LEAR, quality begins in the planning and development phase and is pursued through all stages of production up to the finished product which is ready for dispatch.

This means that we have an integral understanding of quality. It encompasses all organizational and functional areas. Six Sigma and Design for Six Sigma (DFSS) are introduced in all areas and applied consistently.

The Quality Management System is documented in procedures, work instructions and detailed specifications.

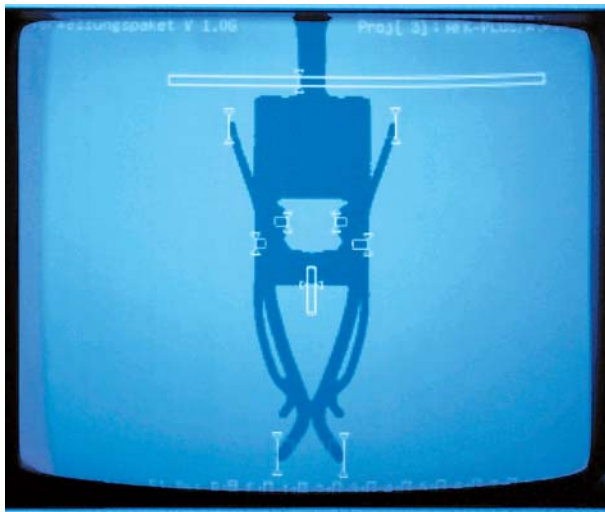
Firmenportrait

Qualität

Qualität beginnt bei LEAR in der Planungs- und Entwicklungsphase; sie setzt sich fort durch alle Produktionsstufen bis hin zum versandfertigen Produkt.

Das heißt, wir verstehen Qualität ganzheitlich. Sie umfaßt alle Organisations- und Funktionsbereiche. Six Sigma und Design for Six Sigma (DFSS) sind durchgängig eingeführt und werden gelebt.

Das Qualitätsmanagementsystem ist in Verfahrens- und Arbeitsanweisungen und detaillierten Spezifikationen dokumentiert.



The conformity with internationally accepted Quality Management standards is confirmed by a certificate according to ISO/TS 16949.

Furthermore, the quality activities of LEAR are accepted by our customers and confirmed by good audit results. Our efforts regarding environmental protection are documented, audited and certified according to DIN ISO 14001.

An efficient CAQ system supports quality planning, collecting and recording of test data as well as the statistical evaluation and documentation and thus proves a high quality level – for the benefit of our customers.

Die Konformität mit international anerkannten QM Richtlinien ist durch ein Zertifikat nach ISO/TS 16949 bestätigt.

Darüber hinaus sind die QM Aktivitäten von Lear von unseren Kunden anerkannt und durch positive Auditergebnisse belegt. Ferner sind unsere Anstrengungen zum Schutz der Umwelt dokumentiert, auditiert und nach ISO 14001 bestätigt.

Ein leistungsfähiges CAQ-System unterstützt die Qualitätsplanung, Prüfdatenerfassung und -archivierung sowie die statistische Auswertung und Dokumentation und damit den Nachweis eines hohen Qualitätsstandards - zum Nutzen des Anwenders

Company Profile

Investing in the future

Highly qualified employees are the fundamental potential of Lear – specialists who find application-oriented solutions.

Today investing in the future also means laying the foundations for the qualification of tomorrow's staff. For only with well-trained specialists can new technologies be utilized correctly and entirely. Knowledge and abilities gained require permanent refreshment and must be kept up-to-date. New processes and knowledge have to be integrated.

Firmenportrait

In die Zukunft investieren

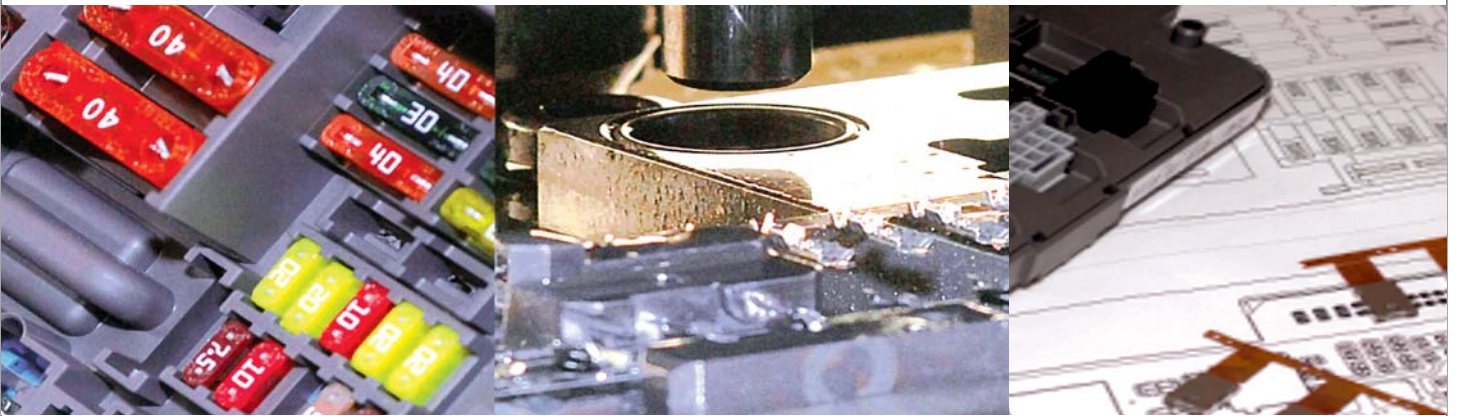
Hochqualifizierte Mitarbeiter sind das wesentliche Potential von Lear – Spezialisten, die anwendungsorientierte Lösungen erarbeiten.

Heute in die Zukunft investieren bedeutet auch, Grundlagen und Fachwissen für die Qualifikation der Mitarbeiter von morgen anzulegen. Denn nur mit bestens ausgebildeten Fachkräften lassen sich neue Technologien vollständig und richtig ausschöpfen. Einmal erworbene Kenntnisse und Fähigkeiten bedürfen der permanenten Erneuerung und Ergänzung. Neue Verfahren und neues Wissen müssen integriert werden.



Product Information

Produktinformation



Product Information

Definitions

Electrical connectors are used in all sectors of industry. We encounter them constantly, for instance, when using domestic appliances or automobiles. All applications have one thing in common, namely, they serve to transmit power or signals to convey information.

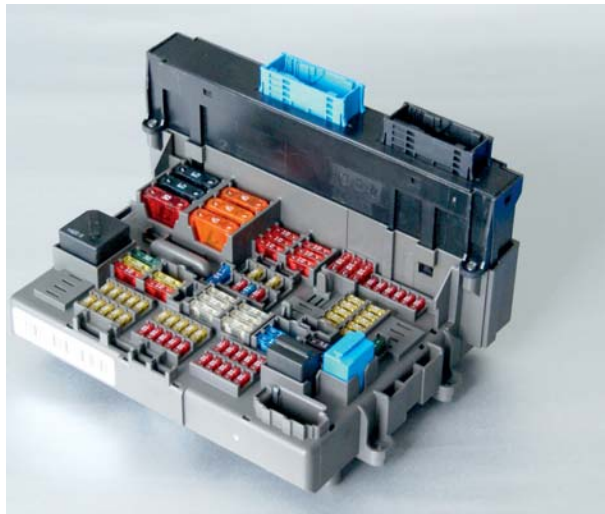
LEAR offers top-quality connection possibilities for a vast number of applications. They fulfill their tasks in an extremely wide range of applications: in automobiles, domestic appliances, in industrial open-and-closed-loop controls, in telecommunications and in home entertainment electronics.

Produktinformation

Begriffsbestimmungen

Die elektrische Verbindungstechnik findet ihren Einsatz in allen Bereichen der Industrie. Sie begegnet uns täglich im Gebrauch von z.B. Hausgeräten und Kraftfahrzeugen. Alle Anwendungen haben eines gemeinsam: sie dienen der Übertragung von elektrischen Leistungen oder Signalen zur Informationsübermittlung.

LEAR bietet qualitativ hochwertige Verbindungsmöglichkeiten für eine Vielzahl von Anwendungsgebieten. Sie erfüllen ihre Aufgaben in den unterschiedlichsten Bereichen: in Kraftfahrzeugen, Hausgeräten, beim Regeln und Steuern in der Industrie, in der Nachrichtentechnik, Unterhaltungselektronik u.a.m..



Product Information

Definitions

The aim of the following definitions is to enable you to better handle this catalogue and help general understanding of the subject matter.

The connector and its functions

As separable system elements, the connectors serve the purpose of electrical and mechanical connection. To do this, they must have particular physical properties and must fulfil specific functions.

These functions are:

- establishing a separable electrical contact,
- establishing a separable mechanical coupling,
- insulating electrically conductive parts,
- providing possibilities of securing the link,

Parts of a plug-in connection

An electrical plug-in connection consists of two contact parts. All other components are not necessarily part of a connector. They have only secondary functions to fulfil. A connector may have the following single components:

- contact part
- stainless steel spring
- contact carriers
- contact holder
- housing
- accessories

The contact part

The electrical conductivity of a connector is provided by the contacts parts. The contact part consists of the contact area and the insertion area. The contact area may be fixed or separable. For instance, permanent links are soldered, crimped, insulation displacement, wire wrapped, and press-in connections. Separable connections are screw and clamp type connections. The insertion area has an extremely wide range of shapes depending on the application.

Produktinformation

Begriffsbestimmungen

Die anschließenden Begriffsdefinitionen erleichtern den Umgang mit diesem Katalog und tragen zum allgemeinen Verständnis bei.

Der Steckverbinder und seine Funktionen

Innerhalb der Übertragungstrecke erfüllen Steckverbinder als lösbare Systemelemente ihre elektrische und mechanische Verbindungsaufgabe. Dazu müssen sie besondere physikalische Eigenschaften aufweisen und bestimmte Funktionen erfüllen.

Die Funktionen sind:

- lösbarer elektrischer Kontakt herstellen,
- lösbare mechanische Verbindung herstellen,
- elektrisch leitende Teile isolieren,
- Befestigungsmöglichkeiten schaffen

Bestandteile einer Steckverbindung

Eine elektrische Steckverbindung besteht aus mindestens zwei Kontaktteilen. Alle weiteren Komponenten sind nicht zwangsläufig Bestandteil einer Steckverbindung. Sie erfüllen sekundäre Funktionen. Ein Steckverbinder kann folgende Einzelkomponenten aufweisen:

- Kontaktteil
- Stahlfeder
- Kontaktträger
- Kontakthalterung
- Gehäuse
- Zubehör

Das Kontaktteil

Die elektrisch leitende Funktion einer Steckverbindung übernehmen die Kontaktteile. Ein Kontaktteil besteht konstruktiv aus Anschluß- und Steckbereich. Der Anschlussbereich kann fest oder lösbar sein. Feste Verbindungen sind z.B. Löt-, Crimp-, Schneidklemmanschluß, Wickeltechnik und Einpreßtechnik. Lösbar Verbindungen sind Schraubanschluß und Klemmverbindung. Der Steckbereich weist je nach Einsatzgebiet unterschiedlichste Formen auf.

Product Information

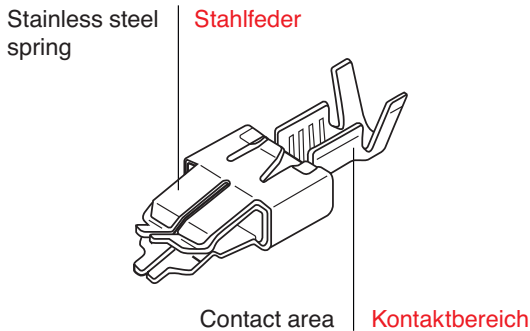
Definitions

The stainless steel spring

The stainless steel spring guarantees constant contact pressure even in difficult surrounding conditions, e.g. high ambient temperatures. In addition it can ensure a secure hold in the housing cavity via flared locking latches.

Contact carrier and contact holder

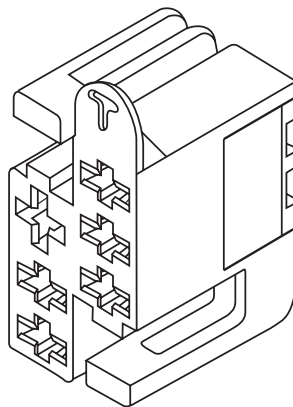
The contact carrier serves to accommodate the individual terminals and, at the same time, it fulfills the insulating function. In almost all products, the contact carrier and housing are combined in one part. The contact holder is the design element which holds the terminal part in the contact carrier.



Housing and accessories

The housing serves as a mechanical protection of all the components of a connector and to protect against touch contact with the electrical parts. Additional functions of the housing and its accessory parts may be:

- polarization
- coding
- locking
- sealing
- strain relief



Produktinformation

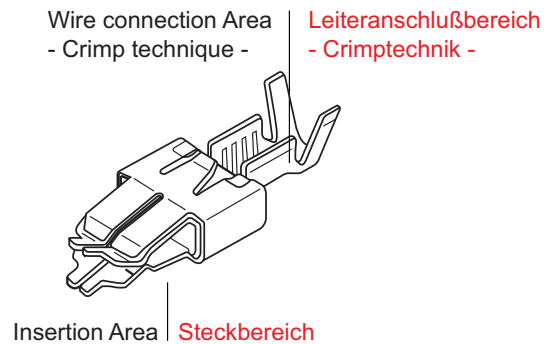
Begriffsbestimmungen

Die Stahlfeder

Die Stahlfeder gewährleistet auch bei erschwerten Umgebungsbedingungen, wie z.B. höheren Umgebungstemperaturen, einen konstanten Kontaktdruck. Darüber hinaus gewährleistet sie häufig durch ausgestellte Rastarme einen sicheren Halt in der Gehäusekammer.

Kontaktträger und Kontakthalterung

Der Kontaktträger dient der Aufnahme der einzelnen Kontakte. Gleichzeitig übernimmt er die isolierende Funktion. Fast immer sind Kontaktträger und Gehäuse in einem Teil zusammengefaßt. Die Kontakthalterung ist das konstruktive Element, welches das Kontaktteil im Kontaktträger fixiert.



Gehäuse und Zubehör

Das Gehäuse dient dem mechanischen Schutz aller Komponenten des Steckverbinders vor Fremdeinwirkungen und der Sicherung gegen das Berühren der Teile. Zusatzfunktionen des Gehäuses und dessen Zubehörteile können sein:

- Polarisieren
- Kodieren
- Verriegeln
- Abdichten
- Zugentlasten

Product Information

Definitions

A high-quality connection requires optimum coordination of the components. An integrated system of contacts, plastic housings and processing equipment provides the user with maximum product performance. This high measure of product performance can only be achieved if all the components of a system are developed and manufactured by one company which has the necessary competence. LEAR has this competence.

In addition, the further processing is also crucial for a durable connection. An important factor is the correct insertion of the contact into the housing cavity. The contact must be inserted axially into the housing cavity (Fig. 1) and lock in with an audible noise.

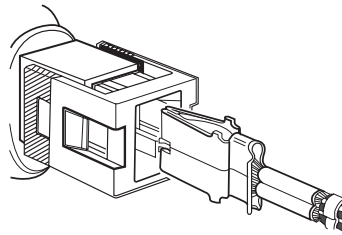


Fig./Abb.1

Connection techniques for terminals

Crimp connection according to DIN EN 60352-2

With the aid of a crimping tool, the contact area of the connector [which can be open (Fig. 2) or closed (Fig. 3)] is formed to give a firm, gastight connection with the previously stripped wire.

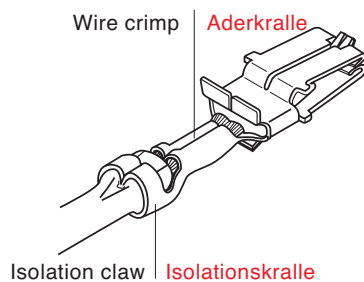


Fig./Abb.2

Single-core, multi-core and extremely fine wire-core cables can be crimped. The crimping can be done with the appropriate hand crimping tools or on semi and fully-automatic crimping machines.

Produktinformation

Begriffsbestimmungen

Die qualitativ hochwertige Verbindung erfordert optimal aufeinander abgestimmte Komponenten. Kontakte, Kunststoffgehäuse und Verarbeitungsmittel, in einem System zusammengefaßt, bieten dem Anwender ein Höchstmaß an Produktsicherheit. Voraussetzung ist allerdings, daß alle Komponenten eines Systems von einem kompetenten Hersteller entwickelt und produziert werden. LEAR garantiert diese Kompetenz.

Darüber hinaus ist auch die Weiterverarbeitung entscheidend für die dauerhafte Verbindung. Ein wichtiger Faktor ist das korrekte Stecken des Kontaktes in die Gehäusekammer. Der Kontakt ist axial in die Gehäusekammer zu führen (Abb. 1) bis er hörbar verrastet.

Anschlußtechniken für Kontakte

Crimpverbindung nach DIN EN 60352-2

Mit Hilfe eines Crimpwerkzeuges wird der Anschlußbereich des Kontaktteiles, der offen (Abb. 2) oder geschlossen (Abb. 3) sein kann, verformt. So entsteht eine feste, gasdichte Verbindung mit der zuvor abisolierten Leitung.

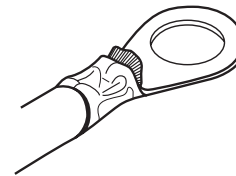


Fig./Abb.3

Gecrimpt werden können ein-, mehr- und feinstdrähtige Leitungen. Das Crimpen erfolgt mit Hilfe von geeigneten Handcrimpwerkzeugen oder auf halb- und vollautomatischen Crimpmaschinen.

Product Information

Definitions

Crimping should be performed immediately after insulation stripping to avoid corrosion or splicing of the exposed wires.

Insulation displacement connections according to DIN EN 60352-4

The insulation displacement connection (Fig. 4) is achieved by clamping an insulated wire into the contact element, whereby the insulating sleeve is cut and the wire contacted by the insulation displacement contact. The wire cross section and the insulation displacement contact must match exactly.

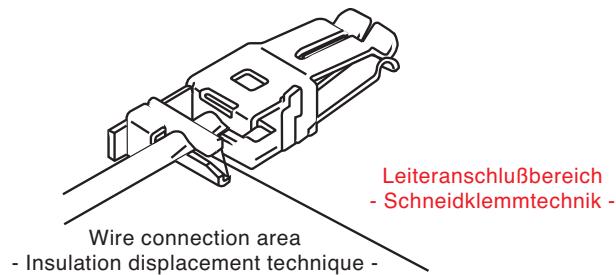


Fig./Abb.4

When this type of connection is used, often all the terminals of the connector can be processed in one operation.

Soldered connection

A soldering connection (Fig. 5) is a connection technique that can not always be separated again. Modern processes (e.g. solder wave baths) enable the simultaneous and fully-automatic soldering of all components on a PC-board and this means that the PC-board connectors can also be soldered in.

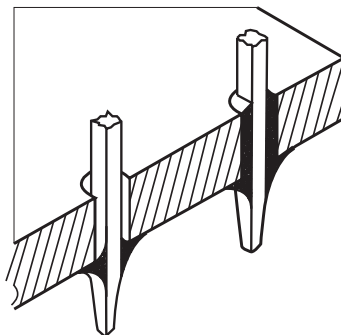


Fig./Abb.5

Produktinformation

Begriffsbestimmungen

Unmittelbar nach dem Entfernen der Isolierhülle sollte gecrimpt werden, damit die freigelegten Einzeldrähte (Leiter) nicht oxydieren oder aufspießen.

Schneidklemmverbindung nach DIN EN 60352-4

Der Schneidklemmanschluß (Abb. 4) wird durch Einklemmen eines isolierten Leiters in das Kontaktelement hergestellt. Beim Kontaktiervorgang durchtrennen die Schneidklemmen die Isolierhülle und kontaktieren den Leiter. Leiternennquerschnitt und Schneidklemme müssen aufeinander abgestimmt sein.

Bei dieser Anschlußart werden häufig alle Kontakte eines Steckverbinders in einem Arbeitsgang verarbeitet.

Lötverbindung

Die Lötverbindung ist eine bedingt lösbare Anschlußtechnik. Moderne Verfahren (z.B. Lötswallbad) erlauben das gleichzeitige vollautomatische Löten aller Bauelemente einer Leiterplatte, somit auch das Einlöten der Leiterplattensteckverbinder.

Product Information

Definitions

LEAR manufactures terminals in single form (Fig. 1) and in chain form (Fig. 2-4)

The terminals in single form are intended for processing with hand crimping tools, while those in chain form are for processing on semi-and fully-automatic machines.

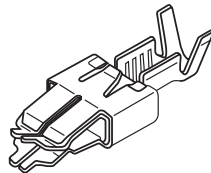


Fig./Abb.1

To guarantee better processing of the terminals in single form, there are terminals available which contrary to Fig. 1, are preformed in the crimp area.

The illustrations in Fig. 2-4 show the various ways the terminals are joined together, which are determined by economic, functional and technical considerations. These take into account both economical use of the materials and economical processing of the contact parts at later stages.

For further information, see chapter crimping equipment.

Explanations to the tables in the catalogue

In the tables for the contacts in bandolier form there is a column headed "Terminal feed". The symbols in this column stand for:

- "L" for longitudinal transport (Fig. 2)
- "SQ" for standard transverse transport (Fig. 3)
- "NQ" for normal transverse transport (Fig. 4)

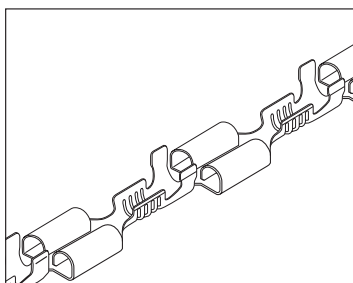


Fig./Abb.2

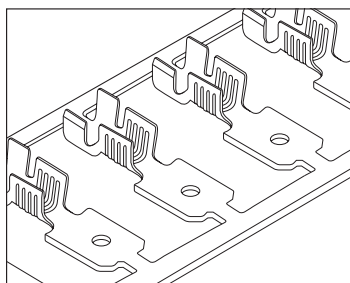


Fig./Abb.3

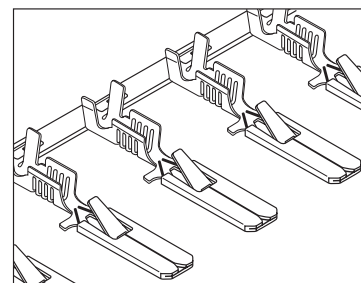


Fig./Abb.4

Produktinformation

Begriffsbestimmungen

LEAR fertigt Steckverbinder in Einzel- (Abb. 1) und Bandform (Abb. 2-4).

Die Kontakte in Einzelform mit Leiteranschlußbereich sind für die Verarbeitung mit Handcrimpwerkzeugen ausgelegt. Die Kontakte in Bandform mit Leiteranschlußbereich eignen sich für die Verarbeitung auf Halb- und Vollautomaten.

Um ein besseres Verarbeiten der Kontakte in Einzelform zu gewährleisten, sind, abweichend von der Abb. 1, Steckverbinder lieferbar, die im Leiteranschlußbereich vorgeformt sind.

Die folgenden Abbildungen zeigen die unterschiedlichen Arten der Anbindung der Kontakte. Maßgeblich für die unterschiedlichen Formen sind wirtschaftliche, funktionelle und technische Überlegungen. Sie zielen sowohl auf den sparsamen Umgang mit den Werkstoffen als auch auf eine ökonomische Weiterverarbeitbarkeit der Kontaktteile.

Weitere Informationen, siehe Kapitel Crimpmittel

Erklärung zu den Katalogtabellen

In den Tabellen für Kontakte in Bandform befindet sich die Spalte "Verb. – vorschub". Die Kennungen in dieser Spalte stehen für:

- "L" für Längstransport (Abb. 2)
- "SQ" für Standardquertransport (Abb. 3)
- "NQ" für Normquertransport (Abb. 4)

Product Information

The Lead

A lead consists of single conductor cores and of the insulation sleeve.

To achieve an optimal connection between the terminal and the lead, several points must be observed, before crimping for example

- selecting of the correct terminal for the wire cross section and the lead type
- avoiding stripping errors
- selecting processing equipment according to the contact and the wire cross section.

and after crimping for example

- visual checking of the rolling performance of the insulation and conductor claws
- checking the correct position of the stripped wire in the crimping area (depth of insertion)
- checking of the recommended crimping heights.

Below is an overview of various types of leads.

Two basic types of leads can be distinguished:

a) conductors consisting of one single wire (Fig. 5)

- solid or interconnecting wire

b) conductors consisting of several single wires (Fig. 6 + 7)

Note: The larger the number of single wires, the more flexible the lead.

- NYAF leads
- FL leads
- Insulation reduced wire (FLR, FLY, FLX)
- FLRY indication of the vehicle wires according to DIN standard 76722
- Tinsel wire cores according to DIN standard 47104
- Stranded wire
- Highly flexible leads.

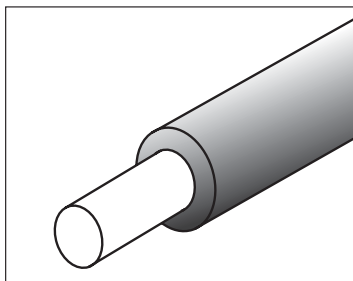


Fig./Abb.5

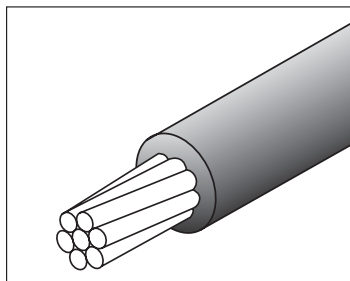


Fig./Abb.6

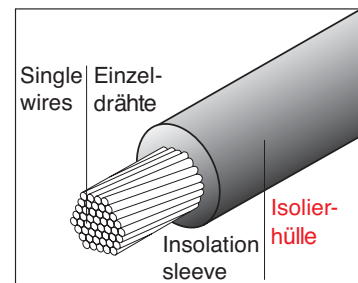


Fig./Abb.7

Produktinformation

Die Leitung

Eine Leitung besteht aus Einzeldrähten, die den Leiter bilden und aus der Isolierhülle.

Um eine optimale Verbindung der Steckverbinder mit der Leitung zu erzielen, sind mehrere Punkte zu beachten, vor dem Crimpen z.B.

- Abstimmen des Kontaktes auf den Leiterquerschnitt und Leitungstyp
- Vermeiden von Fehlern beim Abisolieren
- Abstimmen des Verarbeitungsmittels auf den Kontakt und den Leiterquerschnitt.

nach dem Crimpen z.B.

- Sichtprüfung des Einrollverhaltens der Ader- und Isolationskrallen
- Kontrolle der korrekten Lage der abisolierten Leitung im Crimpbereich (Einlegetiefe)
- Überprüfung der empfohlenen Crimphöhe.

Nachstehend geben wir einen Überblick über verschiedene Leitungsarten.

Leitungen werden in 2 Grundtypen unterschieden:

a) Leiter, die aus einem Einzeldraht bestehen (Abb. 5)

- Massiv-, Schaltdraht

b) Leiter, die aus mehreren Einzeldrähten bestehen (Abb. 6 u. 7)

Merke: Je höher die Anzahl der Einzeldrähte desto flexibler ist die Leitung.

- NYAF-Leitungen
- FL-Leitungen
- Leitungen mit reduzierter Wanddicke der Isolierhülle (FLR, FLY, FLX)
- FLRY Kennung der Fahrzeugleitungen nach DIN 76722
- Lahnitzenleiter nach DIN 47104
- Drahtlitzleiter
- Hochflexible Leitungen.

Product Information

Crimping height

A crimp connection provides an electrical and a mechanical connection. The measure of quality for an electrical connection is the conductivity.

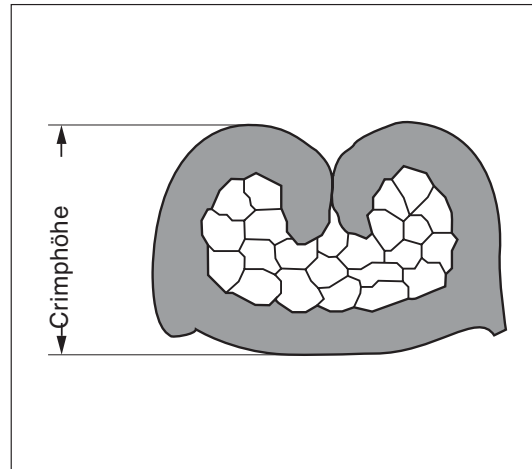


Fig./Abb.1

The measure of quality for the mechanical connection is the wire withdrawal force.

Der Crimp dient sowohl einer elektrischen als auch einer mechanischen Verbindung. Maß für die Qualität der elektrischen Verbindung ist der Leitwert.

Maß für die Qualität der mechanischen Verbindung ist die Kraft, die nötig ist, um die Leitung aus dem Crimp herauszuziehen, die Leiterausziehkraft.

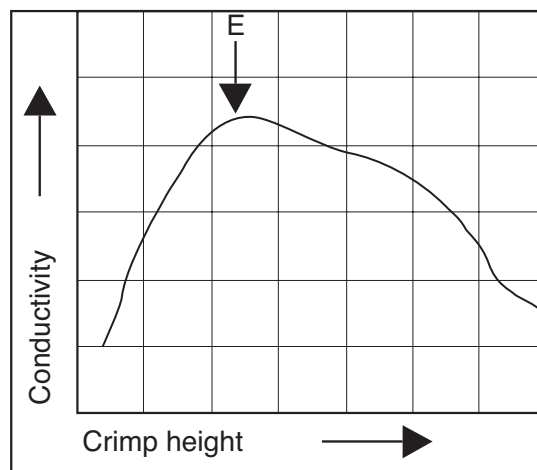


Fig./Abb.2

Both factors, the conductivity and the wire withdrawal force depend directly on the crimp height (of the conductor crimp). This is measured from the bottom of the claws to the highest point of the crimp (Fig. 1).

Beide, der Leitwert und die Leiterausziehkraft, hängen direkt von der Crimphöhe (des Adercrimps) ab. Sie wird gemessen vom Krallenboden bis zu den eingerollten Krallenschenkeln des Crimps (Abb. 1).

Product Information

Crimping height

Measurements have indicated that the optimum conductivity (Point E, Fig. 2) and the optimum wire withdrawal force (Point M, Fig. 3) are not related to the same crimp height.

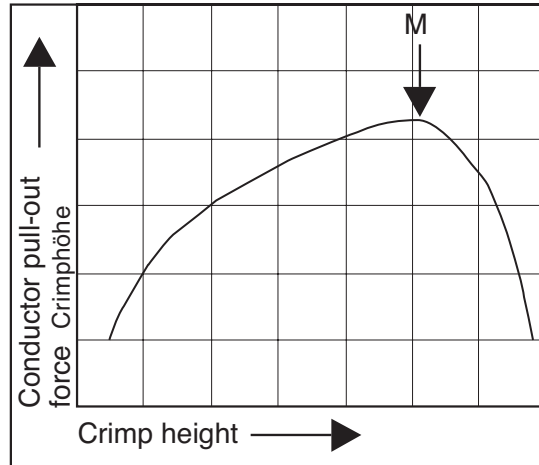


Fig./Abb.3

This means that a crimp with an optimum conductivity does not have the maximum achievable wire withdrawal force - and vice versa.

Produktinformation

Die Crimphöhe

Messungen haben gezeigt, daß der optimale Leitwert (Punkt E, Abb. 2) und die optimale Leiterausziehkraft (Punkt M, Abb. 3) nicht die gleiche Crimphöhe aufweisen.

Das heißt, ein Crimp mit optimalem Leitwert weist nicht die maximal erreichbare Leiterausziehkraft auf - oder umgekehrt.

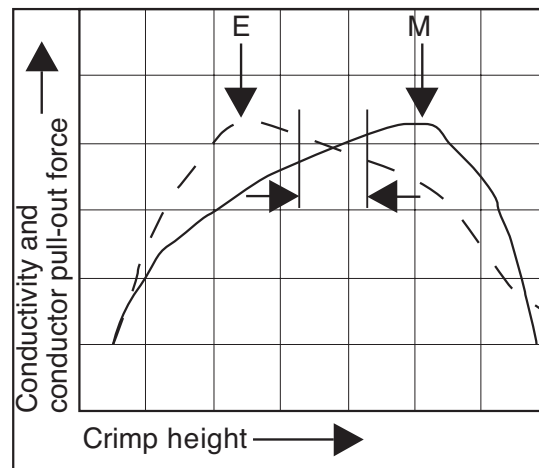


Fig./Abb.4

It must be endeavoured to reach a compromise between the two ideal conditions (Fig. 4). This compromise point normally lies between the maximum values of the two curves.

Zwischen beiden Idealzuständen muß ein Kompromiß angestrebt werden (Abb. 4). Er liegt üblicherweise zwischen den Maximalwerten der beiden Kurven.

Product Information

Environmental acceptability

The products and processes of LEAR are in accordance with the regulations for environmental acceptability required by law and in most cases go beyond these regulations.

For instance, the residue from electroplating processes is recycled. The water used in the process is circulated several times through the production cycle, greatly reducing the amount of waste water so that it is far below the limit for industrial effluents.

Materials such as cadmium, asbestos, mercury and CFCs are not used. In the near future, polyamide will be substituted for PVC in insulated connectors.

In general, only pure tin-plating is used for surface finishes; mixed tin-plating with a lead content of a maximum of 10 % is only available on customer's special request.

The pressed connectors are degreased only with an ecologically harmless water-base solution. Perchloroethylene is not in used.

These are only a few of the activities that benefit our environment directly. We constantly endeavor to make changes for the better. So further improvements are in preparation and will in the coming years lead to maximum environmental acceptability.

Produktinformation

Umweltverträglichkeit

Die Produkte und Verfahren von LEAR entsprechen den gesetzlichen Anforderungen an die Umweltverträglichkeit und gehen vielfach noch darüber hinaus.

So werden die Rückstände aus galvanischen Prozessen wieder aufbereitet. Das Prozeßwasser durchläuft den Produktionskreislauf mehrmals. Die dadurch stark reduzierte Abwassermenge unterschreitet die Grenzwerte zur Einleitung erheblich.

Werk- und Hilfsstoffe wie Cadmium, Asbest, Quecksilber und FCKW finden keine Verwendung. PVC bei isolierten Verbindern wurde in jüngster Vergangenheit weitgehend durch das unbedenkliche Polyamid ersetzt.

Zur Oberflächenveredelung ist grundsätzlich nur noch Reinverzinnung vorgesehen; Mischverzinnung mit einem Bleianteil von maximal 10 % erfolgt lediglich auf ausdrückliche Kundenforderung.

Die gestanzten Kontakte werden mit einer umweltverträglichen wässrigen Lösung entfettet. Perchloroethylen kommt nicht zum Einsatz.

Dies sind nur einige Aktivitäten die unserer Umwelt direkt zugute kommen. Wir sind ständig um positive Veränderung bemüht. Weitere Optimierungen sind in Vorbereitung und werden in den nächsten Jahren zu einem Höchstmaß an Umweltverträglichkeit beitragen.

Product Information

Environmental acceptability

All terminals can be supplied in different versions concerning the materials and surface finish. One reason for the large number of available variations is that the terminals are used in an extremely wide range of industries, which all place their own particular demands on connectors. This explains why the specification of a plug-in connection cannot be generally defined, but must be viewed in connection with its application.

The following pages provide information on the characteristics of the nonferrous metals and plastics used as well as the range of surface coatings.

Produktinformation

Umweltverträglichkeit

Im Hinblick auf das eingesetzte Material sowie die Oberflächenveredelung können alle Kontakte in unterschiedlichen Ausführungen geliefert werden. Ein Grund für die Vielzahl der lieferbaren Variationen ist der Einsatz der Produkte in den verschiedensten Industriezweigen. Sie alle stellen ihre eigenen Anforderungen an eine Steckverbindung. Dieser Sachverhalt erklärt, daß die Güte der Steckverbindung nicht pauschal definiert werden kann, sondern immer in Abhängigkeit zum Anwendungsgebiet zu sehen ist.

Über die Beschaffenheit der eingesetzten NE-Metalle und der Kunststoffe sowie der Güte der Oberflächenveredelungen geben die nachfolgenden Seiten Auskunft.

Materials and surface finishes

Terminal materials

The characteristics of the connectors are mainly determined by the base materials (semi-finished) used.

The main criteria are:

- Strength/spring characteristics
- Electrical conductivity
- Temperature resistance under consistent conditions

LEAR uses copper, copper alloys and steel for the manufacturing of connectors. An overview of the specific properties of the nonferrous metals and steel used is given in fig. 1.

Werkstoffe und Oberflächenbeschichtungen

Kontaktwerkstoffe

Die Eigenschaften der Kontakte werden weitgehend von den eingesetzten Werkstoffen (Halbzeugen) bestimmt.

Bewertungskriterien sind u.a.:

- Elektrische Leitfähigkeit
- Grenztemperatur bei Dauerbelastung
- Federeigenschaften / Festigkeit

LEAR setzt zur Herstellung der Kontakte Werkstoffe wie Kupfer, Kupferlegierungen sowie Stahl ein. Einen Überblick über die spezifischen Eigenschaften der eingesetzten NE-Metalle und von Stahl zeigt Abb. 1

| Material | Abbreviation | Conductivity at 20° c m Ω x qmm | Limit temperature in °C Surface | | | Spring characteristics | Corrosion resistance |
|-----------------|--------------|---------------------------------------|---------------------------------|------|-----|------------------------|------------------------|
| | | | without (bare metal) | * Sn | Ag | | |
| Brass | CuZn | 15 | 90 | 100 | 110 | good | with surface treatment |
| Phos. bronze | CuSn | 9 | 100 | 110 | 130 | very good | stable |
| Tin-zinc bronze | CuSnZn | 10 | 100 | 110 | 120 | very good | stable |
| K 75** | CuCrSiTi | 43 | 150 | 130 | 150 | very good | good |
| Copper | Cu | 55 | 90 | 110 | 120 | low | with surface treatment |
| Copper iron | CuFe | 35 | 110 | 130 | | good | with surface treatment |
| German silver | CuNiZn | 4 | 180 | | | very good | good |
| Steel | St | 10 | 250 | | | very good | with surface treatment |

* Limit temperatures increasing by parts with stainless steel spring (CrNi)

** Trade name of Wieland

Fig.1

| Werkstoff | Kurzbezeichnung | Leitfähigkeit bei 20° c m Ω x qmm | Grenztemperatur in °C | | | Federungseigenschaften | Korrosionsbeständigkeit |
|-----------------------|-----------------|---|-----------------------|------|-----|------------------------|---|
| | | | bk | * Sn | Ag | | |
| Messing | CuZn | 15 | 90 | 100 | 110 | gut | vorzugsweise mit Oberflächenbehandlung stabil |
| Zinnbronze | CuSn | 9 | 100 | 110 | 130 | sehr gut | stabil |
| Menhrstoff-Zinnbronze | CuSnZn | 10 | 100 | 110 | 120 | sehr gut | stabil |
| K75** | CuCrSiTi | 43 | 150 | 130 | 150 | sehr gut | gut |
| Kupfer | Cu | 55 | 90 | 110 | 120 | gering | vorzugsweise mit Oberflächenbehandlung |
| Kupfer-Eisen | CuFe | 35 | 110 | 130 | | gut | vorzugsweise mit Oberflächenbehandlung |
| Neusilber | CuNiZn | 4 | 180 | | | sehr gut | gut |
| Stahl | St | 10 | 250 | | | sehr gut | vorzugsweise mit Oberflächenbehandlung |

* Die Grenztemperaturen bei Dauerbelastung erhöhen sich bei Kontakten mit Stahlfeder (CrNi)

** Handelsname der Firma Wieland

.Abb.1

Materials and surface finishes

Terminal surfaces

Due to aggressive environmental influences, it is usually necessary to protect the contact material against corrosion.

In order to improve electrical characteristics, it may also be necessary to use a gold-plated surface for connectors used in the mA-range for very low voltages. Gold-plated connectors always contain a nickel backing to prevent diffusion.

| surface coating | Abbreviation | Remarks |
|-----------------|--------------------|---|
| None | bk (bare metal) | Unplated |
| Tin | Sn | Corrosion protection |
| Hot-tinned | fr Sn | hot-tinned |
| Nickel | Ni | Barrier-layer corrosion protection (eg steel) |
| Silver | Ag | High conductivity |
| Gold | Au | No corrosion, high conductivity under low current |

Fig. 2

As an economical alternative, LEAR offer selective coating of contacts in the critical area (e.g. gold-plated pin area, tinned wire crimp area).

Among other things, the decision as to which surface coating is required depends on the following criteria:

- Prevention of corrosion and oxidisation
- Increasing temperature resistance
- Higher current carrying capacity than the base materials
- Good solderability.

Fig. 2 provides information on the various methods of coating the surfaces of connectors.

Werkstoffe und Oberflächenbeschichtungen

Kontaktflächen

Wegen z.B. aggressiver Umwelteinflüsse ist es häufig erforderlich, die Kontaktfläche zu schützen.

Bei Kontakten, die im mA-Bereich sowie bei kleinen Spannungen eingesetzt werden, kann zur Verbesserung der elektrischen Eigenschaften eine vergoldete Oberfläche nützlich sein. Als Diffusionssperre erhalten vergoldete Kontakte eine Unternickelung.

| Oberflächen-Beschichtung | Kurzzeichen | Bemerkung |
|--------------------------|-------------|---|
| keine | bk(blank) | Kein Oberflächenüberzug |
| Zinn | Sn | Korrosionsschutz |
| Zinn | fr Sn | Feuerreinverzinnung |
| Nickel | Ni | Sperrschicht (z. B. Stahl) |
| Silber | Ag | hohe Leitfähigkeit |
| Gold | Au | keine Korrosion hohe Leitfähigkeit bei niedriger Strombelastung |

Abb. 2

Als wirtschaftliche Alternative bietet LEAR eine selektive Beschichtung der Kontakte im kritischen Bereich an (z.B. Steckbereich vergoldet, Leiteranschlußbereich verzinkt).

Im einzelnen wird die Entscheidung, welche Oberflächenbeschichtung in Betracht kommt, u.a. von nachstehenden Kriterien bestimmt:

- Verhindern von Korrosion und Oxydation
- Erhöhen der Temperaturbeständigkeit
- Steigern der Strombelastbarkeit des Basismaterials
- Verbessern der Löteigenschaften.

Die Abb. 2 zeigt die verschiedenen Möglichkeiten zur Veredelung von Kontaktflächen.

Materials and surface finishes

Compatibility of materials

Not every material can be coated with any particular surface finish. The closer metals are in numerical order, the better they match each other. The sequence given in fig. 3 provides information on this compatibility.

The susceptibility of metals to corrosion increases the closer they are placed to the anode. Conversely, this means that the corrosion resistance of a material rises the closer it is to the cathode.

| | Anode (+) | Chemical designation |
|----|---------------|----------------------|
| 1 | Zinc | Zn |
| 2 | Tin | Sn |
| 3 | Nickel | Ni |
| 4 | Brass | CuZn |
| 5 | K 75 | CuCrSiTi |
| 5 | Copper | Cu |
| 5 | Copper iron | CuFe |
| 6 | Bronze | CuSn |
| 7 | German silver | CuNiZn |
| 8 | Steel | St |
| 9 | Silver | Ag |
| 10 | Gold | Au |
| | Cathode (-) | |

Fig. 3

Werkstoffe und Oberflächenbeschichtungen

Verträglichkeit der Werkstoffe

Nicht jeder Werkstoff sollte mit einer beliebigen Oberfläche veredelt werden. Je näher sie sich in der numerischen Folge der Metalle sind, um so besser vertragen sie sich untereinander. Die in Abb. 3 dargestellte Spannungsreihe gibt Aufschluss über diese Verträglichkeit.

Die Korrosionsanfälligkeit der Metalle steigt, je näher sie der Anode sind; umgekehrt bedeutet dies, daß das Material in seiner Korrosionsbeständigkeit steigt, je näher es der Kathode ist.

| | Anode (+) | Chem. Bezeichnung |
|----|--------------|-------------------|
| 1 | Zink | Zn |
| 2 | Zinn | Sn |
| 3 | Nickel | Ni |
| 4 | Messing | CuZn |
| 5 | K 75 | CuCrSiTi |
| 5 | Kupfer | Cu |
| 5 | Kupfer-Eisen | CuFe |
| 6 | Bronze | CuSn |
| 7 | Neusilber | CuNiZn |
| 8 | Stahl | St |
| 9 | Silber | Ag |
| 10 | Gold | Au |
| | Kathode (-) | |

Abb.3

Materials and surface finishes
Compatibility of materials

Werkstoffe und Oberflächenbeschichtungen
Werkstoffe für Kunststoffteile

LEAR make use of thermoplastic materials to manufacture housings and insulators. Thermoplastics soften above a specific temperature and harden again on cooling down. This plasticity allows the material to be manufactured to any design by injection molding or extrusion. A compound material of increased strength can be achieved by embedding glass fibers. Fig. 4 gives information on the specific characteristics of the plastics most frequently used.

LEAR setzt zur Herstellung der Gehäuse und Isolierkörper thermoplastische Kunststoffe ein. Diese haben die Eigenschaft, oberhalb einer bestimmten Temperatur zu erweichen und bei Abkühlung wieder zu erhärten. Diese Eigenschaft ermöglicht eine plastische Verformbarkeit durch z.B. Spritzgießen und Extrudieren. Durch das Einbetten von Glasfasern kann ein Verbundwerkstoff mit erhöhter Festigkeit erzielt werden. Abb. 4 gibt Auskunft über die spezifischen Eigenschaften der bei LEAR am häufigsten eingesetzten Kunststoffe.

| Abbreviation | Material | Temperature resistance °C. | Characteristics |
|--------------|-----------------------------|----------------------------|---|
| PE | Polyethylene | 80 | good electrical resistant to chemicals |
| PA | Polyamide | 105 | a low-fatigue, flexible plastic of high dielectric strength resistant to chemicals and water-absorption |
| PC | Polycarbonate (Makrolon) | 90 | good electrical properties, low water absorption |
| PPE (PPO) | Polyphenylene-ether (Noryl) | 105 | first-class workability and stability, good electrical and mechanical properties |
| PP | Polypropylene | 90 | first-class chemical and electrical properties, low shrinkage factor |
| PBT (PBTP) | Polybutylene-terephthalate | 110 | injection moulded components capable of withstanding high stress |
| PET (PETP) | Polyethylene-terephthalate | 110 | injection moulded components capable of withstanding high stress |

Fig.4

| Kurzbezeichnung | Werkstoff | Temperaturbeständigkeit °C. | Eigenschaften |
|-----------------|----------------------------|-----------------------------|--|
| PE | Polyethylen | 80 | gute elektrische und mechanische Eigenschaften, beständig gegen Chemikalien |
| PA | Polyamid | 105 | ermüdungsarmer flexible Kunststoff, hohe Durchschlagsfestigkeit, beständig gegen Chemikalien, nimmt Wasser auf |
| PC | Polycarbonat (Makrolon) | 90 | gute elektrische Eigenschaften, geringe Aufnahme von Wasser |
| PPE (PBTP) | Polyphenylen-ether (Noryl) | 105 | erstklassige Verarbeitbarkeit und Stabilität, gute elektrische und mechanische Eigenschaften |
| PP | Polypropylen | 90 | erstklassige chemische und elektrische Eigenschaften, kleiner Schrumpffaktor |
| PBT (PBTP) | Polybutylen-terephthalat | 110 | hochbeanspruchbare, technische Spritzgußteile |
| PET (PEPT) | Polyethylen-terephthalat | 110 | hochbeanspruchbare, technische Spritzgußteile |

Abb.4

Materials and surface finishes

Housing colour

Colour coding of housings increases the reliability of assigning connectors to electric components. The appropriate housing table lists housing colours. Further colours are available only on request. In certain circumstances, colouring impairs the properties of plastic components.

Werkstoffe und Oberflächenbeschichtungen

Gehäusefarbe

Unterschiedliche Farbgebung der Gehäuse erhöht die Sicherheit bei der Zuordnung des Steckverbinders zu Elektrokomponenten. Die Farbe des Gehäuses ist in der entsprechenden Gehäusetabelle vermerkt. Weitere Farben nur auf Anfrage. Einfärbungen beeinträchtigen u.U. die Gebrauchseigenschaften der Kunststoffe.

Structure of the LEAR part number

Part number for terminals

The 11-digit numbers for terminals are structured as shown in Fig. 1.

- The first 5-digit block of numbers defines the terminal geometry
- The second 3-digit number block provides information on the material group used.
- The last 3-digit number block identifies the surface finish applied to the connector material.

For terminals consisting of several parts, e.g. contacts with a stainless steel spring, the last two number blocks define the basic terminal material and not that of the additional component.

Aufbau der LEAR Teile-Nr.

Teile-Nr. der Kunststoffteile

Die 11-stellige Teile-Nr. der Kontakte gliedert sich wie in Abb. 1 dargestellt.

- Der erste Zahlenblock (5-stellig) definiert die Geometrie der Kontakte.
- Der zweite Zahlenblock (3-stellig) gibt Auskunft über den eingesetzten Werkstoff.
- Der letzte Zahlenblock (3-stellig) kennzeichnet die Oberflächenveredelung des Kontaktwerkstoffes.

Bei zusammengesetzten Kontakten, z.B. Kontakte mit Stahlfeder, beschreiben die letzten beiden Zahlenblöcke die Beschaffenheit des Basiskontaktes und nicht des zusätzlichen Bauteils.

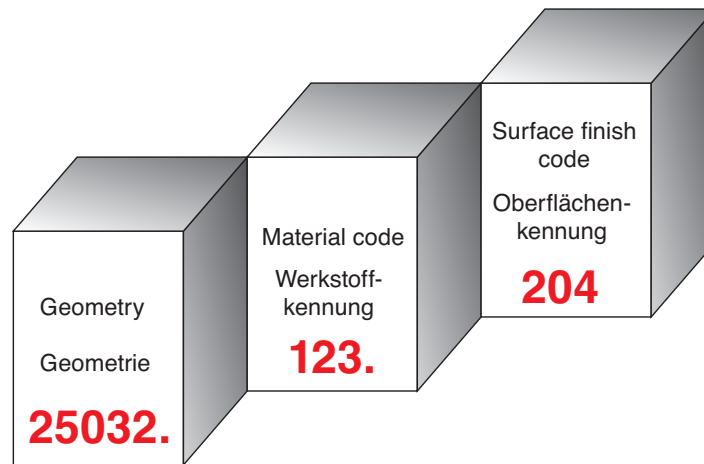


Fig./Abb. 1

For terminals with a plastic sleeve, the part number break-down as described above does not apply. The purchaser or user may not change the order code as this will inevitably lead to the wrong parts being delivered. The material and surface combinations given in the catalogue are standard. Other versions are available only on request and require a confirmation.

Notice

Terminals with the part no. 45..., 46... and 48... have a preformed crimping area to facilitate processing with hand crimping tools and therefore do not correspond to the figures shown in the catalogue.

Kontakte mit Kunststoffhülse können nicht nach dargestellter Abbildung aufgeschlüsselt werden. Eine Schlüsselveränderung durch den Besteller oder Anwender ist nicht zulässig und führt zwangsläufig zu Fehllieferung. Die auf den Katalogseiten angegebenen Werkstoff- und Oberflächenkombinationen sind verbindlich. Andere Ausführungen nur auf Anfrage und Bestätigung.

Hinweis

Kontakte mit einer Teile-Nr. 45..., 46... und 48... sind zur besseren Verarbeitung mit Handcrimpwerkzeugen im Leiteranschlußbereich vorgerollt. Damit entsprechen sie nicht den Darstellungen im Katalog.

Structure of the LEAR part number

Part number for plastic parts

The 11-digit part number for plastic parts is arranged as shown in Fig. 2.

- The first 5-digit number block defines the part's geometry
- The second 3-digit number block provides information on the material group used.
- The last number block, also comprising 3 digits, identifies the color of the plastic (please inquire about RAL designations from the color code for plastics).

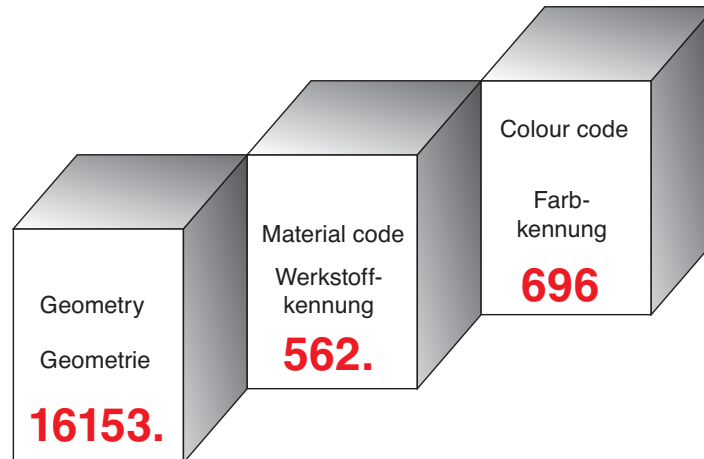


Fig./Abb.2

For housings consisting of several parts, the 11 digit number is composed as shown in fig.3. The part number provides no explanation of the materials or color combination used; these must be taken from the parts list.

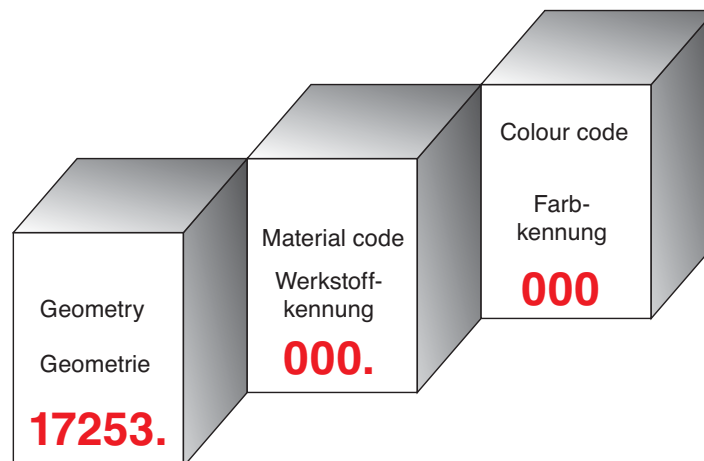


Fig./Abb.3

Aufbau der LEAR Teile-Nr.

Teile-Nr. der Kunststoffteile

Die 11-stellige Teile-Nr. der Kunststoffteile gliedert sich wie in Abb. 2 dargestellt.

- Der erste Zahlenblock (5-stellig) definiert die Teile-Geometrie.
- Der zweite Zahlenblock (3-stellig) gibt Auskunft über die Werkstoffgruppe.
- Der letzte Zahlenblock (3-stellig) kennzeichnet die Farbe des Kunststoffes (RAL-Bezeichnungen des Farbschlüssels für Kunststoffe auf Anfrage).

Bei Produkten, die im Zusammenbau aus mehreren Einzelteilen bestehen, setzt sich die 11-stellige Teile-Nr. gem. Abb. 3 zusammen. Eine Erläuterung der eingesetzten Werkstoffe bzw. der Farbkombination ist aus der Teile-Nr. nicht ersichtlich und muß den Bezeichnungen der Stückliste entnommen werden.

Standard packaging

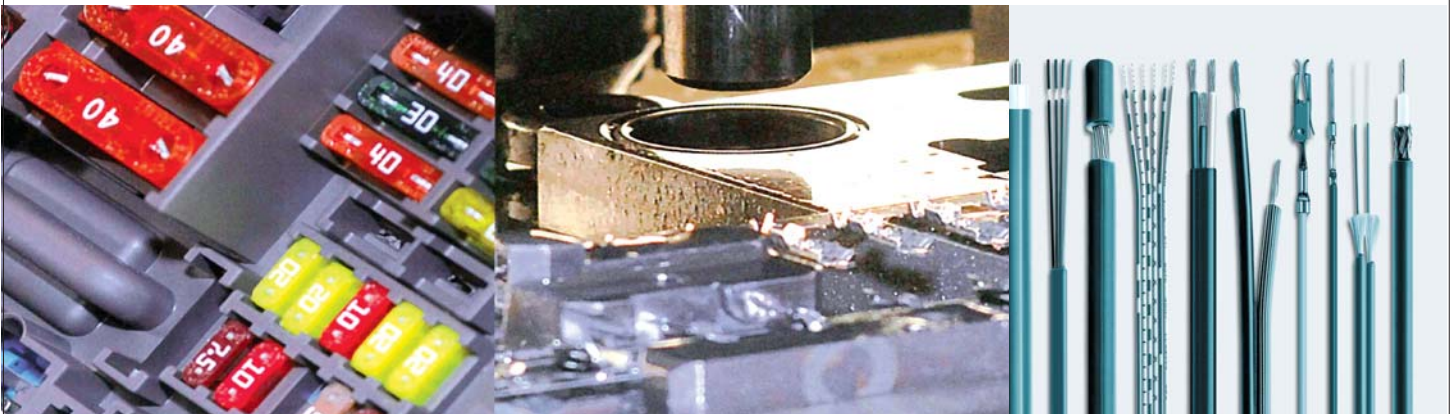
LEAR delivers all products in standardized packing units. According to the article, the quantities in a packing unit may vary and do not necessarily constitute a minimum purchasing quantity. So when inquiring or ordering please pay attention to the quantities stated in the offer or in order confirmation.

Standardverpackungen

LEAR liefert grundsätzlich alle Produkte in standardisierten Verpackungseinheiten. Verpackungseinheiten enthalten teileabhängige Füllmengen. Sie müssen nicht einer Mindestabnahmemenge entsprechen. Bei Anfragen und Bestellungen achten sie deshalb bitte auf die Mengenangaben in dem Angebot bzw. der Auftragsbestätigung.

Tooling

Verarbeitungswerkzeuge



Tooling

A durably safe and reliable connection between wire and contact can only be ensured by using processing tools that have been specially validated for the specific combination of contact and wire.

Our partners Schleuniger and Püplichhuisen have many years of experience in the areas of development, production and selling of tools, ranging from hand pliers to fully automated, specially designed and verified for Lear T&C contacts.

For questions regarding hand tools please feel free to contact Püplichhuisen and for questions regarding half and fully automated tools you may contact Schleuniger.

Verarbeitungswerkzeuge

Eine dauerhaft sichere und zuverlässige Verbindung von Leitung und Kontakt ist nur unter der Verwendung von speziell auf die Kombination von Kontakt und Leitung abgestimmten Verarbeitungswerkzeugen gewährleistet.

Unsere Partner Schleuniger und Püplichhuisen verfügen über eine langjährige Erfahrung in Entwicklung, Herstellung und Vertrieb von auf Lear Kontakte abgestimmten Werkzeugen; von der Handzange bis hin zum Vollautomaten.

Zu Fragen über Handwerkzeuge steht Ihnen die Firma Püplichhuisen und zu Fragen über Halb- und Vollautomaten die Firma Schleuniger gern zur Verfügung.



Crimpzangen . . >

Entriegelungswerkzeuge . . >

> . . für LEAR-Produkte

Qualitätswerkzeuge für die Profis

Ihre Ansprechpartner:
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infoaf@phuisen.de



Crimpvollautomaten



**Abläng- und
Abisolierautomaten**



**Peripheriegeräte
& Zubehör**



Abisoliermaschinen



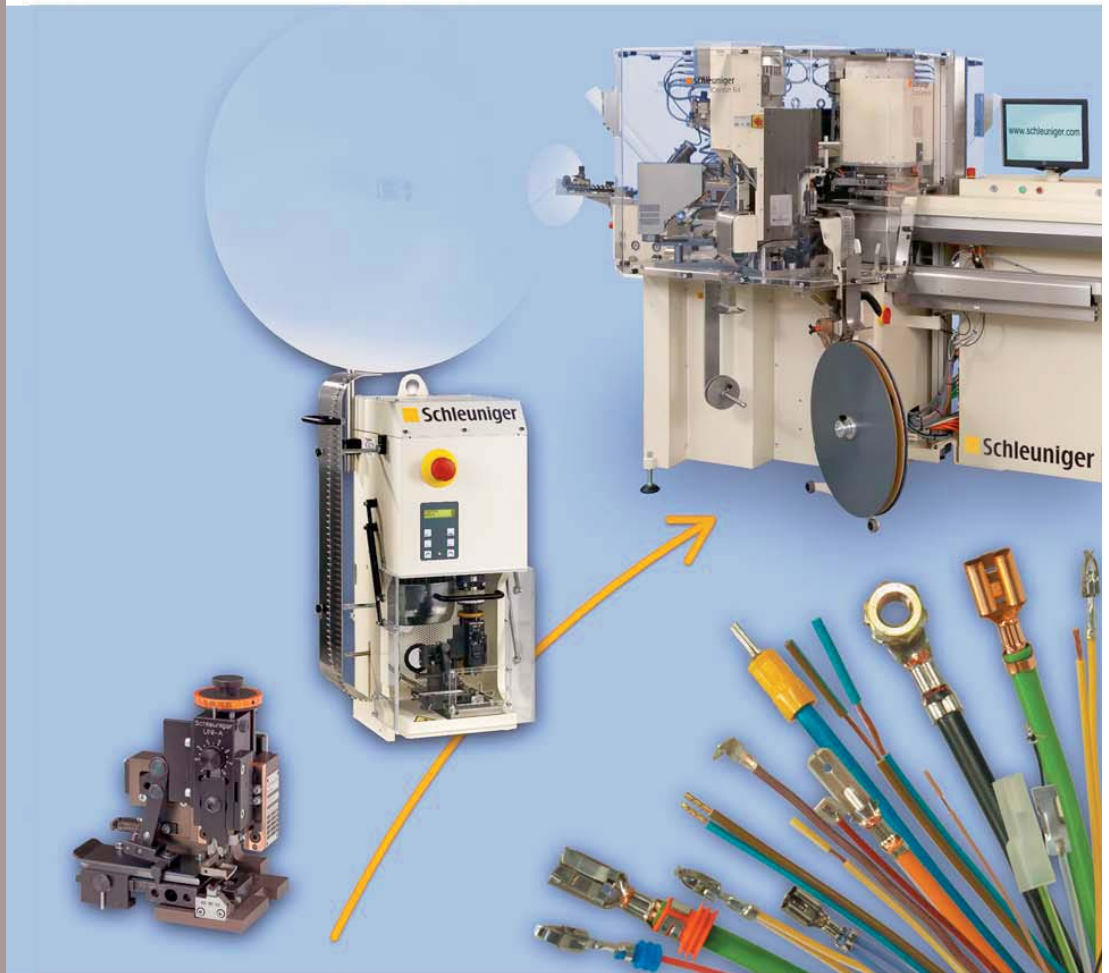
Stripper-Crimper



Crimpmaschinen



Crimpwerkzeuge



Alles aus einer Hand

Ablängen, Abisolieren, Crimpen



Ihren lokalen Ansprechpartner
finden Sie unter

www.schleuniger.com

Schleuniger AG

Biergutstrasse 9

3608 Thun

Schweiz

P: +41 (0)33 334 03 33

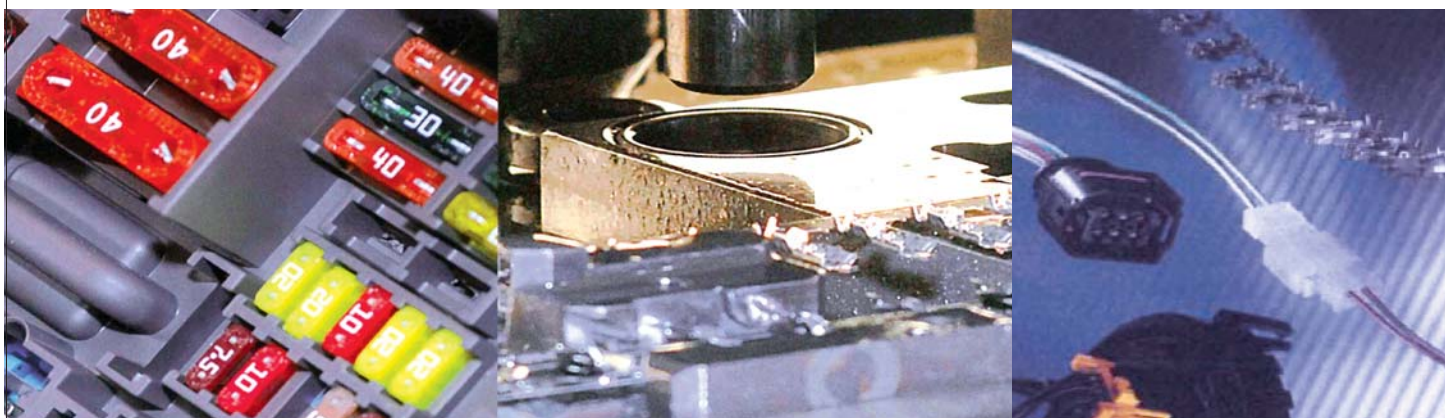
F: +41 (0)33 334 03 34

info@schleuniger.ch

Schleuniger

Distribution Partner Worldwide

Handelspartner weltweit



Lear Corporation Distribution Partner Worldwide



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Fax: + 34 977 61 35 21

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Kyunggi-Do, 463-070

Phone: +82 31 707 21 00
Fax: +82 31 707 21 06
Email: jkind@jkind.com

Website: www.jkind.com

Products and Technologies

Special solutions

Additional to the product portfolio of our catalogues LEAR Corporation offers optimally compatible special products required for the transmission and distribution of currents in automobiles and other products.

- Connector and terminal systems
- Complex power distribution boxes
- Connector systems for a broad range of applications, for example in engine mounted applications
- Connector systems with insertion force reduction
- Pin headers
- Contact systems for load and signal currents
- Fuses
- Direct termination to fuses
- Fuse and relay boxes
- Special solutions that are, for example, highly vibration-resistant, floating in oil, splash-proof
- Innovative and patented solutions for flat conductor applications

Produkte und Technologien

Sonderlösungen

Über das in unseren Katalogen aufgeführte Produktportfolio hinaus bietet die Verbindungstechnik der LEAR Corporation optimal abgestimmte Sonderlösungen, die zum Übertragen und Verteilen von Strömen in Kraftfahrzeugen und anderen Erzeugnissen notwendig sind.

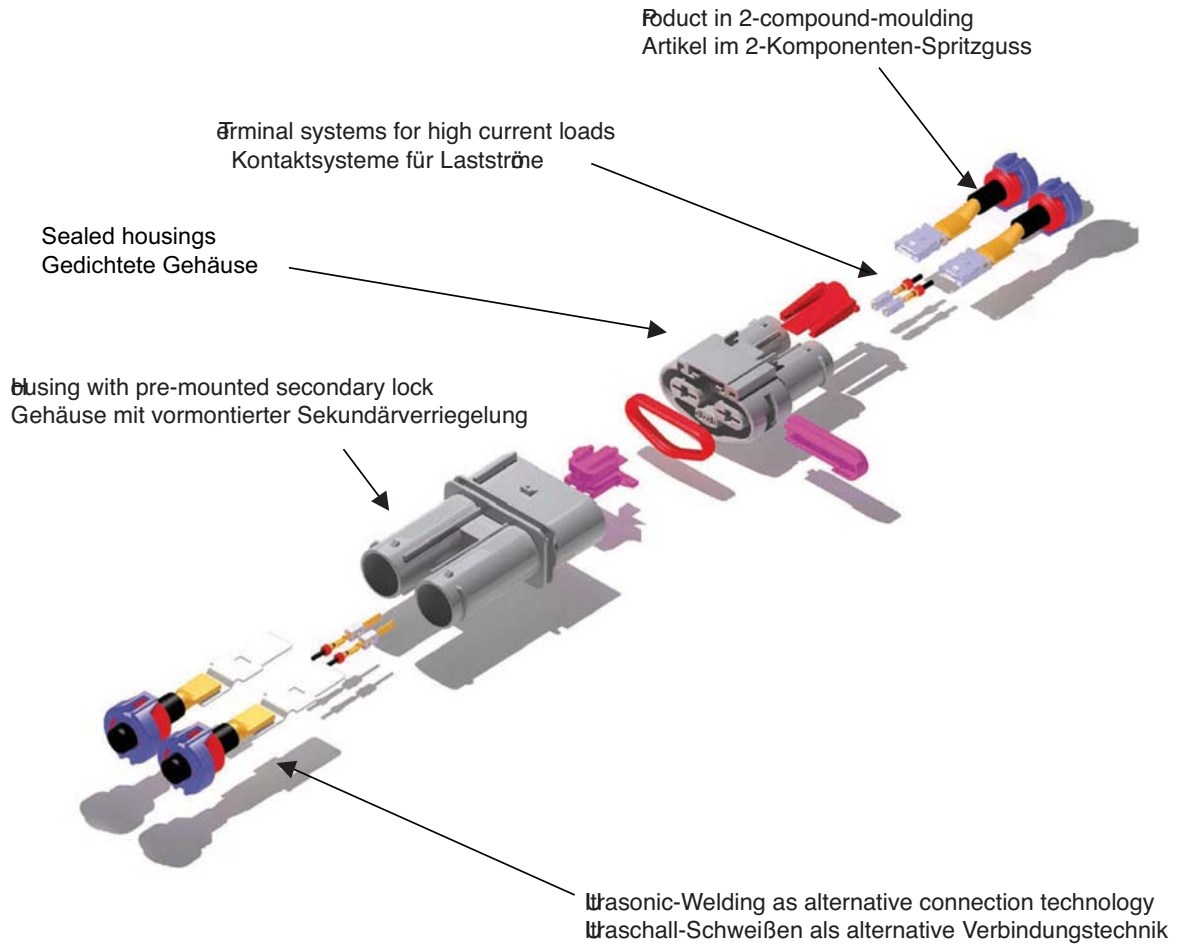
- Gehäuse und Kontaktsysteme
- Komplexe Stromverteiler
- Gehäuse für ein weites Anwendungsspektrum zum Beispiel in Motoranbauteilen,
- Gehäuse mit Steckkraftreduzierung
- Stiftleisten und Stiftwannen
- Kontaktsysteme für Last- und Signalströme
- Sicherungen
- Direkte Kontaktierung auf Sicherungen
- Sicherungs- und Relaisdosen
- Sonderlösungen, zum Beispiel hochschwingfest, in Öl schwimmend, spritzwassergeschützt
- Innovative und patentierte Lösungen für Flachleiter-Anwendungen

**Products and Technologies:
Example for Lear**

**Produkte und Technologien:
Beispiel für Lear**

Connection system for sealed applications
with high load and signal terminals

Steckverbinder-System für gedichtete
Anwendungen mit Last- und Signalkontakten



Lear Corporation
Terminals & Connectors

Regarding technical data and dimensions only Lear customer drawings and specifications are binding. Contact us for the latest design specifications and customer drawings.

Lear Corporation reserves the right to change the construction in order to increase quality and performance of this equipment.

Lear Corporation is not obligated to deliver parts in previously produced versions.

Some of the applications have been tailored to the needs of our customers and are therefore not freely available.

10/01/2008

Lear Corporation
Terminals & Connectors

Verbindlich für technische Werte und angegebene Abmessungen sind ausschließlich die neuesten Lear Corporation Kundenzeichnungen, die Sie auf Anfrage erhalten.

Konstruktionsänderungen aus Gründen der Qualitätsverbesserung oder einer erweiterten Anwendung, sowie aus Fertigungsgründen müssen wir uns vorbehalten.

Zu Ersatzlieferungen ist die Lear Corporation hierbei nicht verpflichtet.

Einige Anwendungen sind speziell auf die Bedürfnisse des Kunden abgestimmt und daher nicht frei verfügbar.

10/1/2008

| | | |
|---|------------------|--|
| MSK Micro Connector Systems 0.63 mm x 0.63 mm | 5 - 8 | MSK Mikrokontaktsysteme 0,63 mm x 0,63 mm |
| VEK Connector Systems 0.63 mm x 0.63 mm | 9 - 16 | VEK Steckverbindersysteme 0,63 mm x 0,63 mm |
| MFK / MFS Leaf Spring Connector Systems 1.5 mm | 17 - 26 | MFK / MFS Mikroflachfedersysteme 1,5 mm |
| AFK / AFS Leaf Spring Connector Systems 0.63 / 1.5 / 2.8 / 4.8 mm | 27 - 54 | AFK / AFS Flachfedersysteme 0,63 / 1,5 / 2,8 / 4,8 mm |
| MDK Leaf Spring Connector Systems 2.8 / 4.8 mm | 55 - 68 | MDK Miniaturdoppelflachfedersysteme 2,8 / 4,8 mm |
| WDF Angle Leaf Spring Connector Systems 2.8 / 4.8 m | 69 - 76 | WDF Winkeldoppelflachfedersysteme 2,8 / 4,8 mm |
| DFK Leaf Spring Connector Systems 4.8 / 6.3 / 9.5 mm | 77 - 98 | DFK Doppelflachfedersysteme 4,8 / 6,3 / 9,5 mm |
| SIKO Secure Contact Systems 4.8 / 6.3 m | 99 - 108 | SIKO Sicherheitskontaktsysteme 4,8 / 6,3 mm |
| RAST 2.5 SK Connector Systems pitch 2.5 mm in IDC Technology | 109 - 122 | RAST 2,5 SK Steckverbindersysteme Rastermaß 2,5 mm in Schneidklemmtechnik |
| RAST 5 Connector Systems pitch 5 mm in IDC and Crimping Technology | 123 - 140 | RAST 5 Steckverbindersysteme Rastermaß 5 mm in Schneidklemm- und Crimptechnik |
| Relay Sockets Applications for Flat Connection Systems 2.8 / 4.8 / 6.3 / 9.5 mm | 141 - 152 | Relaissockel Anwendungen für Flachstecksysteme 2,8 / 4,8 / 6,3 / 9,5 mm |
| Housings for Flat Fuses Applications for Flat Connector Systems 6.3 / 9.5 mm | 153 - 162 | Sicherungsträger Anwendungen für Flachstecksysteme 6,3 / 9,5 mm |
| MKR PLUS / MKS PLUS Connector Systems 1.5 mm diameter | 163 - 182 | MKR PLUS / MKS PLUS Steckverbindersysteme 1,5 mm Ø |

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| RSA 2 Pin and Socket Systems 1.6 mm diameter | 197 - 204 | RSA 2 Rundsteckverbindersysteme 1,6 mm Ø |
| VKR PLUS / VKS PLUS Connector Systems 2.5 mm diameter | 205 - 214 | VKR PLUS / VKS PLUS Steckverbindersysteme 2,5 mm Ø |
| RAM Pin and Socket Systems 3.5 mm diameter | 215 - 222 | RAM Rundstecksysteme 3,5 mm Ø |
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| Flat Connectors 6.3 mm | 283 - 324 | Flachstecktechnik 6,3 mm |
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Introduction

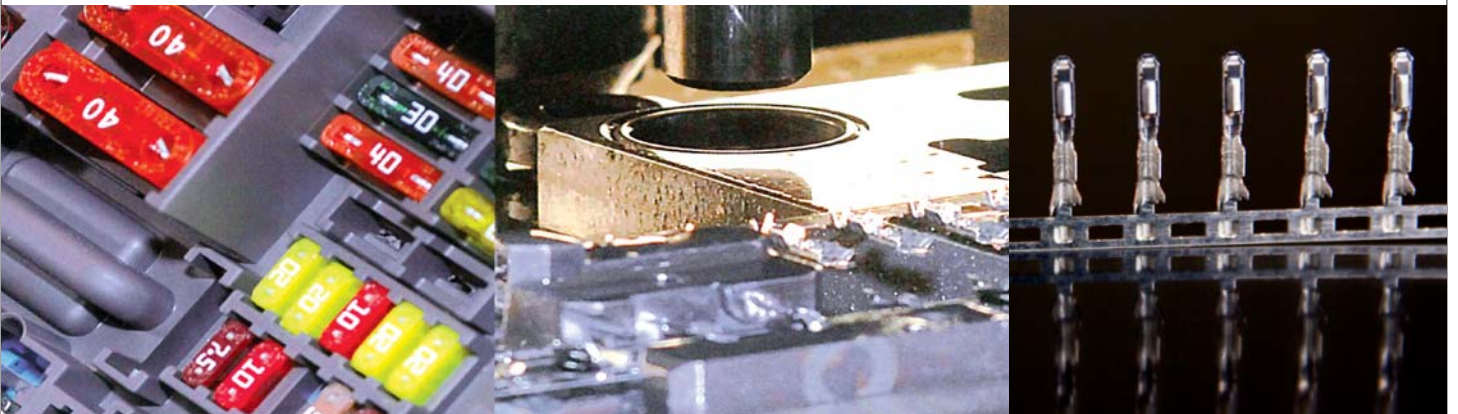
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Gesamtübersicht

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| Cable Lugs | 391 - 404 | Kabelschuhe mi geschlossenen Leiteranschlüß |
| MAK Øwer Application Systems Ø /1Ø mm | 405 - 410 | MAK Hochstromkontaktsysteme Ø /1Ø mm |
| MAK Closed Box lamella Contact Systems 1.5 /Ø4.8mm | 411 - 416 | MAK Geschlossene lamellenkontaktsysteme 1,5 /Ø4,8mm |
| Receptacles | 417 - 426 | Flachsteckhülsen |
| Tabs | 427 - 428 | Flachstecker |
| Splices and Battery Terminals | 429 - 432 | Kabelverbinder und Batterieklemmen |
| Ring and Spade Terminals | 433 - 444 | Kabelschuhe |
| Receptacle Housings and Splice Connectors | 445 - 456 | Gehäuse für Steckhülsen und Steckverbinder |
| Tab Housings | 457 - 460 | Gehäuse für Flachstecker |
| Fuse and Relay Housings | 461 - 474 | Gehäuse für Relais und Sicherungen |
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| Header Connectors | 479 - 484 | Siflleisten |
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MSK
Micro Connector Systems
0.8mm x 0.8mm

MSK
Mikrokontaktsysteme
0.8mm x 0.8mm



MSK

Micro-system connector system 0.63 mm x 0.63 mm with stainless steel spring

The **MSK** system is designed for multi-way connections for the transmitting of signal, control and low-load currents. Space saving dimensions.

The **MSK** has a closed laser-welded stainless steel outer casing. In the connection area, it protects against overstretching. Integrated spring catches ensure continuous contact pressure and a locking latch secures the contact in the housing.

The contact springs are open and prestressed.

Characteristics

- high contact back-out force from the housing due to stainless steel locking latches
- high current rating max. 7 A
- high temperature resistance from -40° C to max. 150° C
- vibration resistance 30g
- low insertion and withdrawal force
- for splash-proof applications

Use

- to transmit signal, control and low-load currents
- only in housings
- safe contacting of stamped pins

Terminals

MSK

- for pin width 0.63 mm x 0.63 mm
- 1 locking latch to secure in the housing
- secondary locking possible

Housing

- on request

MSK

Mikrokontaktsysteme 0,63 mm x 0,63 mm, mit Stahlfeder

Das **MSK** System ist für hochpolige Steckverbindungen zur Übertragung von Signal-, Steuer- und Kleinlastströmen ausgelegt. Seine geringen Bau- maße erlauben eine platzsparende Anwendung.

Der **MSK** besitzt einen geschlossenen lasergeschweißten Außenkasten aus Federstahl. Im Steckbereich nimmt er die Funktion eines Überdehnsschutzes wahr. Integrierte Federarme gewährleisten einen kontinuierlichen Kontaktdruck und ein Rastarm sorgt für den sicheren Halt im Gehäuse.

Die Kontaktfedern sind geöffnet und stehen unter Vorspannung.

Eigenschaften

- hohe Ausreißkraft aus dem Gehäuse durch Rastarm aus Federstahl
- hohe Strombelastbarkeit bis max. 7 A
- hohe Temperaturbelastbarkeit von -40° C bis max. 150° C
- Schwingungsfestigkeit 30g
- geringe Aufsteck- und Abziehkräfte
- für den spritzwassergeschützten Einsatz

Einsatz

- zur Übertragung von Signal-, Steuer- und Kleinlastströmen
- ausschließlich in Gehäusen
- problemloses Kontaktieren gestanzter Stifte

Kontakte

MSK

- für Steckerbreite 0,63 mm x 0,63 mm
- 1 Rastarm für den Halt im Gehäuse
- Sekundärverriegelung möglich

Gehäuse

- auf Anfrage

MSK

Delivery form

Terminals

- single form for hand crimping tools, crimping units
- chain form for semi-automatic and fully-automatic machines

Housing

- loose in standard packs

MSK

Lieferform

Kontakte

- Einzelform für Handcrimpwerkzeuge, Crimpgeräte
- Bandform für Halb- und Vollautomaten

Gehäuse

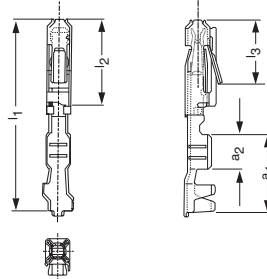
- lose in Standardverpackungen

| Technical Data | | Technische Daten |
|-------------------------------------|--|----------------------------------|
| MSK/MSK PLUS | | MSK/MSK PLUS |
| Wire cross section | 0,2 - 0,75 qmm | Leiternennquerschnitt |
| Wire type | FLR | Leitungstyp |
| Tab width | 0,63 mm x 0,63 mm | Steckerbreite |
| Terminal pitch | $\geq 2,5 \times 2,5$ mm | Kontaktraster |
| Current rating | max. 7 A | Strombelastbarkeit |
| Temperature range | -40° C - 130° C (frSn) -40° C - 150° C (seAu) | Temperaturbereich |
| Maximum insertion/withdrawal cycles | 10 x (frSn) 50 x (seAu) | Maximale Steckzyklen |
| Insertion and withdrawal force | 2,5 N - 5 N (frSn) 1,0 N - 4 N (seAu) | Steck-und-Ziehkräfte (1. Zyklus) |
| Vibration resistance | 30g | Schwingungsfestigkeit |

MSK

MSK

Type 1

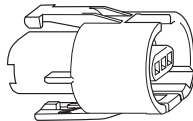


| Type | Wire cross sections η m | Pin mm x mm | a1 | a2 | l1 | l2 | l3 | Material thickness | Steel spring | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------------|-----------------|----|-----|----|----|----|--------------------|--------------|-----------------------|--------------------------------|--------------|-------------------|----------------|-----------|
| 1 | 0.22 - 0.5 | 0.60.6 | 3 | 2.6 | 13 | 60 | 6 | 0.2 | X | B | 28034.201.178 | CuSn | Sn | Q | 1 |
| 1 | 0.5 | 0.60.6 | 3 | 2.6 | 13 | 60 | 6 | 0.2 | X | B | 28038.201.178 | CuSn | Sn | Q | 1 |
| 1 | 0.5 | 0.60.6 | 3 | 2.6 | 13 | 60 | 6 | 0.2 | X | B | 28053.201.178 | CuSn | Sn | Q | 1 |
| 1 | 0.22 - 0.5 | 0.60.6 | 3 | 2.6 | 13 | 60 | 6 | 0.2 | X | B | 28054.201.178 28054.201.702 | CuSn CuSn | Sn Ni/Sn/Ni/Au | Q | 1 1 |
| Typ | Nenn-ger-schnitt qm | Pfosten mm x mm | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Stahl-feder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Öberfläche | Verb-vor-schub | Fuß-note |

*1 Different carrier strip

*1 Unterschiedliche Trägerstreifen

Type 1



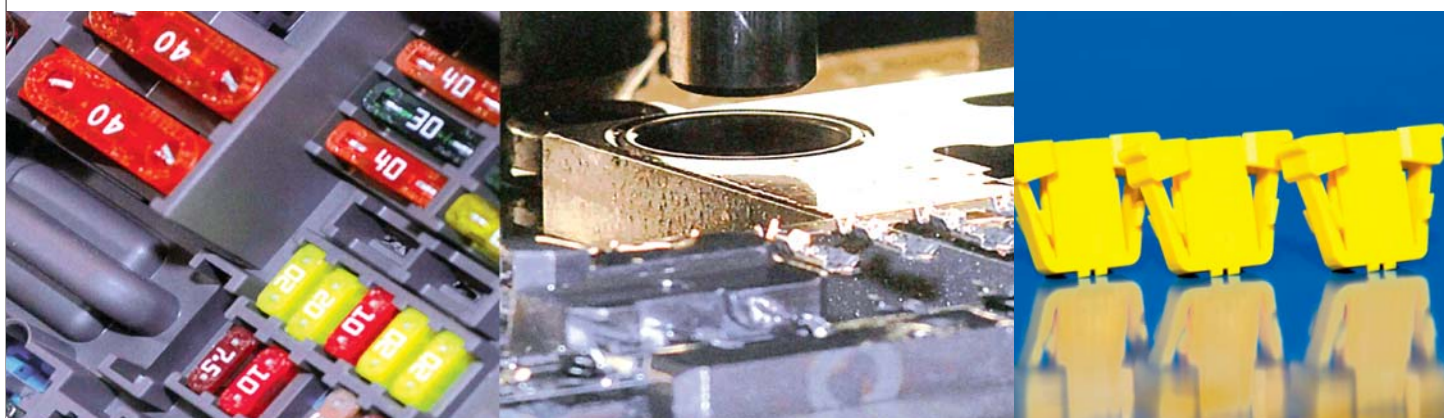
| Type | Part number | Specification |
|------|---------------|---------------|
| 1 | 18871.000.000 | MSK - Gehäuse |
| Typ | Teile-Nr. | Bezeichnung |

VEK

Connector Systems 0.6mm x 0.6mm

VEK

Steckverbindersysteme 0.6mm x 0.6mm



VEK

Connector systems 0.63 mm x 0.63 mm for electronics and electrics

The **VEK** systems are designed for multi-way connectors. The systems are used mainly in the automotive industry.

Characteristics

- space-saving
- high contact density by use of housings

Use

- for transmission of signal and control currents
- for conductors-to-board connection
- for flexible circuit connection
- as a flying coupling
- for splash-proof applications

Terminals

VEK 2

- with external stainless steel spring
- with one locking latch

VEK 4

- with external stainless steel spring
- with 2 locking latches
- high contact back-out force

Housings

A complete VEK connection may consist of a combination of housing components:

- cover
- VEK terminal
- connector to accommodate the VEK terminals
- secondary locking slide for additional locking of the terminals in the housing
- pin carrier for soldering into PC boards

These and other components are matched to each other and guarantee reliable connections in operation.

VEK

Steckverbindersysteme 0,63 mm x 0,63 mm für die Elektrotechnik und Elektronik

Die **VEK** Systeme sind für mehrpolige Steckverbindungen konstruiert. Die Anwendung erfolgt vorzugsweise in der Kfz-Industrie.

Eigenschaften

- platzsparend
- hohe Kontaktdichte im Gehäuseeinsatz

Einsatz

- zur Übertragung von Signal- und Steuerströmen
- zum Kontaktieren von Leiterplatten
- zur Folienkontaktierung
- als fliegende Kupplung
- für spritzwassergeschützte Anwendungen

Kontakte

VEK 2

- mit außenliegender Stahlfeder
- mit einem Rastarm

VEK 4

- mit außenliegender Stahlfeder
- mit 2 Rastarmen
- hohe Ausreißkraft aus dem Gehäuse

Gehäuse

Eine komplette VEK - Verbindung kann folgende Gehäusekomponenten beinhalten:

- Umgehäuse
- VEK Kontakt
- Innengehäuse zur Aufnahme der VEK Kontakte
- Verriegelungsschieber zur zusätzlichen Verriegelung des Kontaktes im Innengehäuse
- Stiftwannen zum Einlöten in Leiterplatten

Diese und weitere Komponenten sind jeweils aufeinander abgestimmt und gewährleisten betriebssichere Verbindungen.

VEK

Delivery form

Terminals

- chain form for semi-automatic and fully-automatic machines

Busings

- loose in standard packs
- bandolier form for fully-automatic processing

VEK

Lieferform

Kontakte

- Bandform für Halb- und Vollautomaten

Gehäuse

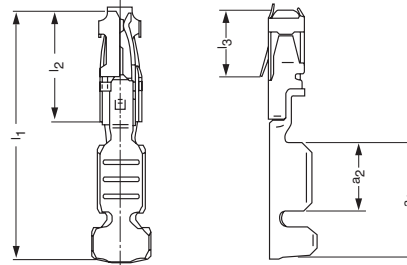
- lose in Standardverpackungen
- gegurtet für die vollautomatische Verarbeitung

| Technical Data | | Technische Daten |
|---|--|--|
| Terminals W cross section -VEK 2 -VEK 4 | $\varnothing 1 - \varnothing 6 \text{ mm}$ $\varnothing 5 - \varnothing 7 \text{ mm}$ | Kontakte Leiternennerschnitt -VEK 2 -VEK 4 |
| Housing Material Pitch -one row -two rows | Polyamid 2,54 mm 2,54 x 2,54mm | Innengehäuse Werkstoff Raster -einreihig -zweireihig |
| Pin shells for PCBs Types of pins straight, 90° or 180° angled Pin dimensions | 1 - 2 mm $\varnothing 3 \times \varnothing 3 \text{ mm}$ | Stiftwannen für Leiterplatten Stiftformen gerade, 90° oder 180° gewinkelt Stiftabmessungen |

VEK 2

VEK 2

Type 1



| Type | Ø cross section qm | Insulation diameter | Pin mm x mm | a1 | a2 | l1 | l2 | l3 | Material thickness | Steel spring | Ømm Esingle Bchain | Part number | Material | Surface | Terminal feed | Ønote |
|------|--------------------|---------------------|-----------------|------|------|------|------|------|--------------------|--------------|--------------------|---------------|----------|------------|-----------------|---------|
| 1 | Ø - Ø | 1.6 max | Ø3 x Ø3 | 5.50 | 3.20 | 12.0 | 4.22 | 3.30 | Ø | X | B | 26728.213.178 | ØSn | Sn | L | 1 |
| Typ | Øhn-ger-schnitt qm | Isol.-Ø | Pfosten mm x mm | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Stahl-feder | Ømm EEinzel BBand | Teile-Nr. | Wkstoff | Øberfläche | Verb.-vor-schub | Øß-note |

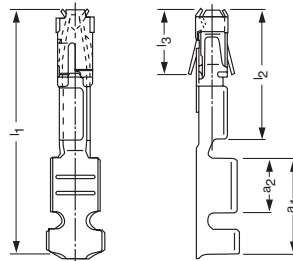
1 Side way feed right

1 Einlaufrichtung in das Ømpwerkzeug von rechts

VEK 4

VEK 4

Type 1

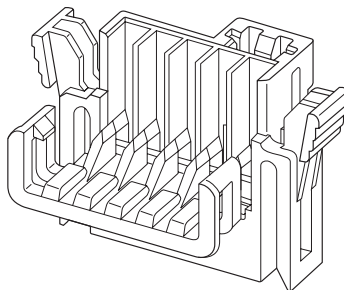


| Type | Wire cross section sqmm | Type of lead | Insulation diameter | Pin mm x mm | a1 | a2 | l1 | l2 | l3 | Material thickness | Steel spring | Form Esingle Behain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|---------------------------------|---------------|---------------------|--------------------|------|-----|------|------|------|--------------------|-----------------|----------------------------|--------------------------------|-------------|---------------|-------------------------|--------------|
| 1 | Ø - Ø | ER | 1.2 -1.6 | Ø3 x Ø3 | 4.80 | 2.0 | 12.0 | 6.30 | 3.30 | Ø0 | X | B | 26541.201.423 | ØSn | NAu /Sn | NQ | *1 |
| 1 | Ø - Ø | ER | 1.2 -1.6 | Ø3 x Ø3 | 4.80 | 2.0 | 12.0 | 6.30 | 3.30 | Ø0 | X | B | 26540.201.423 26540.331.178 | ØSn ØØ2P | NAu /Sn Sn | NQ | *1 |
| Typ | Dünn- ger- schnitt qmm | Leit.- art | Isol.- Ø | Pfosten mm x mm | a1 | a2 | l1 | l2 | l3 | Mat.- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Wkstoff | Oberfläche | Verb.- vor- schub | Fuß- note |

1 Selective Plating

1 Unterschiedliche Bereiche der Oberflächenveredelung

Type 1



| Type | Part number | Specification | Material | Surface |
|------|---------------|---------------|----------|------------|
| 1 | 14594.669.613 | Gehäuse SPD | PBT | gelb |
| Typ | Teile-Nr. | Bezeichnung | Wkstoff | Oberfläche |

VEK 2

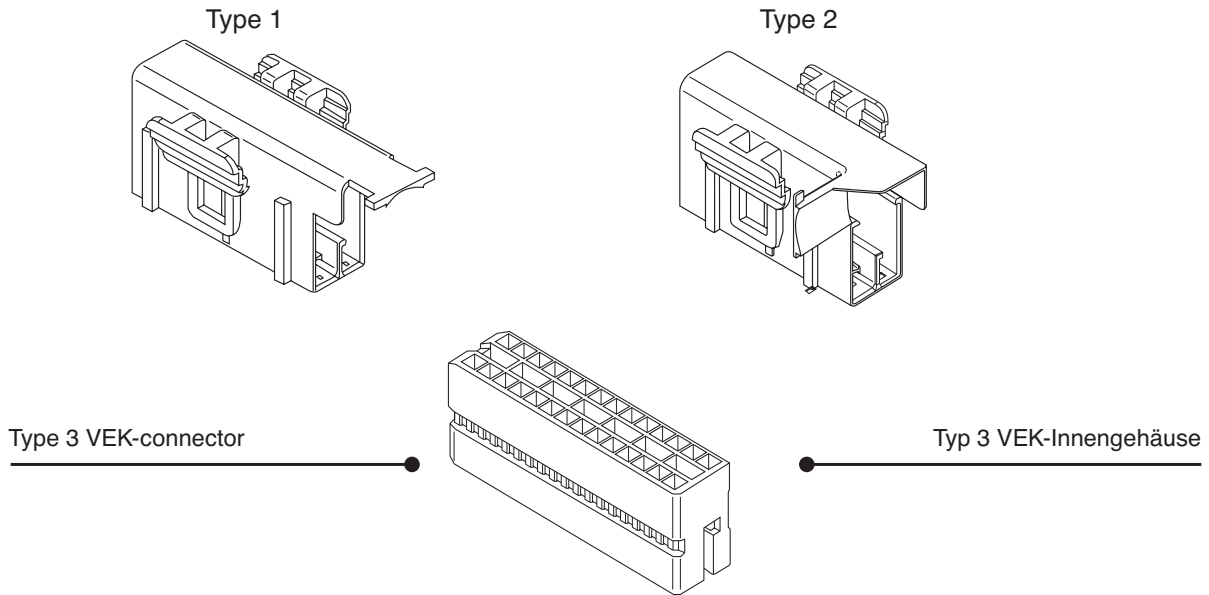
28-ways VEK 2 connections

Pin carriers with different number of poles for flexible PC boards.

VEK 2

28-polige VEK 2 Verbindungen

Stiftleisten für Folienverbindung mit unterschiedlichen Polzahlen.



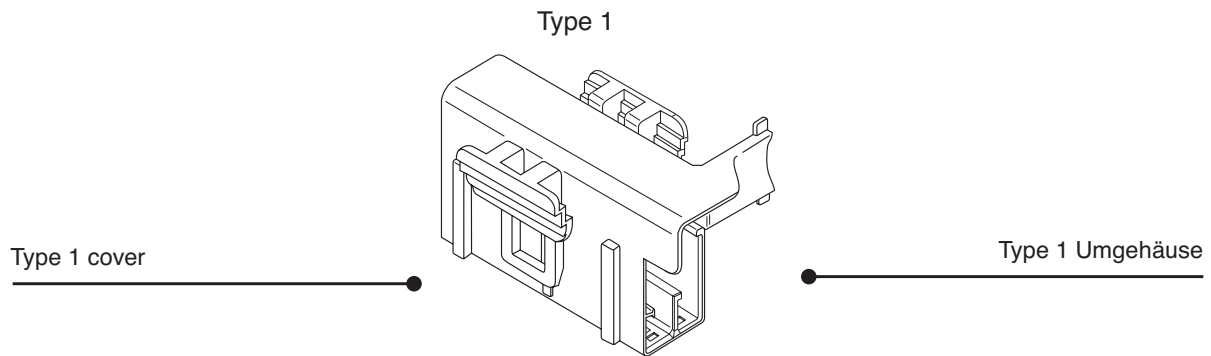
| Type | N ^o . of ways | Pitch | Part number | Specification | Material | Color |
|------|--------------------------|--------|---------------|-------------------|-----------|-------------|
| 1 | | | 14137.568.501 | VEK 2 - Umgehäuse | PA66PE-GF | natur |
| 2 | | | 16331.568.699 | VEK 2 - Umgehäuse | PA66PE-GF | tiefschwarz |
| 3 | 28 | 2.54 | 16373.568.501 | VEK 2 - Gehäuse | PA66PE-GF | natur |
| 3 | 28 | 2.54 | 16572.568.621 | VEK 2 - Gehäuse | PA66PE-GF | feuerrot |
| 3 | 28 | 2.54 | 16577.568.636 | VEK 2 - Gehäuse | PA66PE-GF | lichtblau |
| Typ | Polzahl | Raster | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

VEK 2

28-ways VEK 2 connection

VEK 2

28-polige VEK 2 Verbindung



| Type | Keying | Part number | Specification | Material | Color |
|------|-----------|---------------|-------------------|-----------|-----------|
| 1 | AIV | 14964.568.636 | VEK 2 - Umgehäuse | PA66PE-GF | lichtblau |
| 1 | AllI | 14965.568.501 | VEK 2 - Umgehäuse | PA66PE-GF | natur |
| Typ | Kodierung | Teile-Nr. | Bezeichnung | Wkstoff | Farbe |

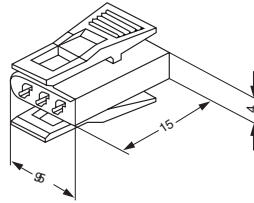
The 28-ways VEK 2 connection is secured against wrong insertion through 2 coding varieties.

Die 28-polige VEK 2 Verbindung ist durch 2 Kodiervarianten gegen Fehlstecken geschützt.

VEK 4

VEK 4

Type 1



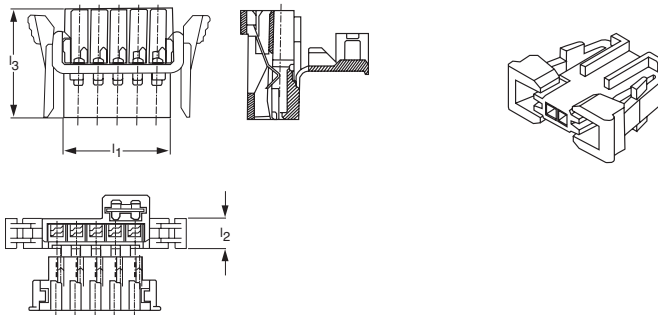
| Type | N ^o of ways | Part number | Specification | Material | Surface/ Colour | Foot-note |
|------|------------------------|---------------|-----------------|-----------|-------------------|-----------|
| 1 | 3 | 14118.625.699 | VEK 3 - Gehäuse | PA66PE | tiefschwarz | 1 |
| 1 | 3 | 14451.625.684 | VEK 3 - Gehäuse | PA66PE | lehm Braun | 1 |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche/ Farbe | Fuß-note |

*1 Housing are keyed differently

*1 Die Gehäuse sind unterschiedlich codiert

Type 1

Type 2



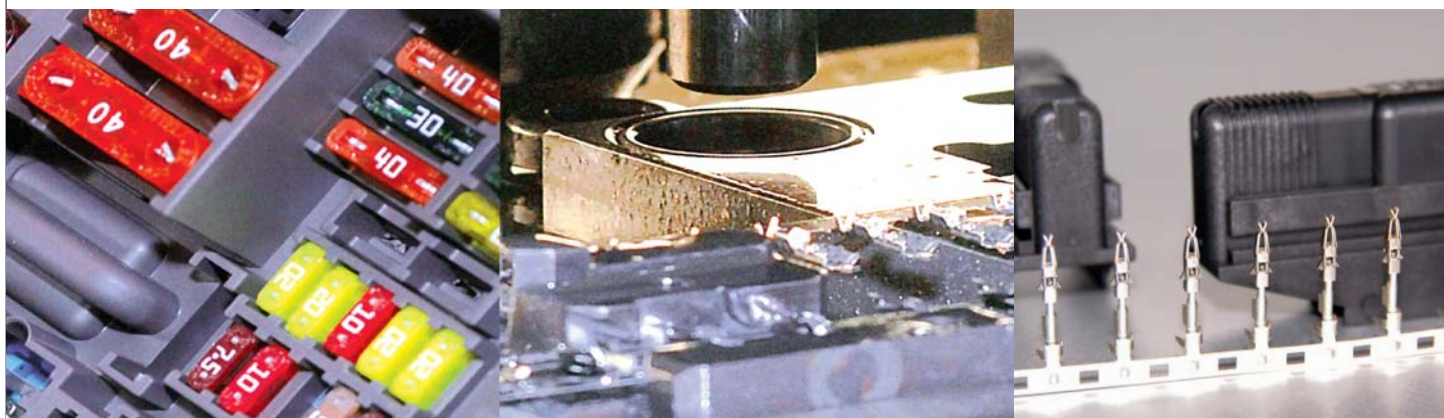
| Type | N ^o of ways | I1 | I2 | I3 | Part number | Specification | Material | Surface/ Colour |
|------|------------------------|------|-------|------|---------------|---|-----------|-------------------|
| 1 | 5 | 14.0 | 14.50 | 16.0 | 18095.000.000 | VEK 4 - Gehäuse Strombrücke Gehäuse | PBT | selAu zinkgelb |
| 2 | 2 | | | | 14131.562.613 | VEK 4 - Gehäuse | PA66 | zinkgelb |
| Typ | Pol-zahl | I1 | I2 | I3 | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche/ Farbe |

MFK / MFS

Leaf Spring Connector Systems 1.5 mm

MFK / MFS

Mikroflachfedersysteme 1,5 mm



MFK / MFS

Leaf spring connector systems 1.5 mm with stainless steel spring

The **MFK / MFS** systems are designed for single-way and multi-way connectors. This micro connector system is used for electronic and electrical appliances.

Characteristics

- high contact back-out force through locking in housing with stainless steel spring
- low insertion and withdrawal forces
- high terminal density
- the stainless steel spring guarantees a high conductivity as well as long durability of the contacts

Use

- for transmission of control currents
- for connection to components
- as a flying coupling
- for splash-proof applications
- as a combined connector system with MDK 3 PLUS terminals

Terminals MFK / MFS

- for insulation reduced wire
- two locking latches ensure a secure locking in the cavity
- secondary locking is possible

MFK PLUS / MFS PLUS

- the insulation claw is designed for single wire seals.

Housings MFK / MFS

pitch: min. 3.5 mm x 4 mm
coupling length: min. 38.5 mm

MFK PLUS/MFS PLUS

pitch: min. 4 mm x 4 mm
coupling length: min. 54.6 mm

MFK / MFS

Mikroflachfedersysteme 1,5 mm mit Stahlfeder

Die **MFK/MFS** Systeme sind für ein- und mehrpolige Steckverbindungen mit geradem Leiteranschluß konzipiert. Aufgrund ihrer kleinen Bauweise werden sie in der Elektronik und Elektrotechnik eingesetzt.

Eigenschaften

- hohe Ausreißkraft aus dem Gehäuse durch Verrastung mit Stahlfeder
- geringe Aufsteck- und Abziehkräfte
- hohe Kontaktdichte
- Stahlfeder für lange Lebensdauer und hohe Strombelastbarkeit

Einsatz

- zur Übertragung von Steuerströmen
- zum Stecken auf Bauteile
- als fliegende Kupplung
- für den spritzwassergeschützten Einsatz
- als kombiniertes Steckverbindersystem mit MDK 3 PLUS Kontakten

Kontakte MFK / MFS

- für wanddickenreduzierte Leitungen
- 2 Rastarme für sichere Verriegelung im Gehäuse
- Sekundärverriegelung möglich

MFK PLUS / MFS PLUS

- die Isolierungshalterung ist zur Aufnahme von Einzelleitungsabdichtungen ausgelegt.

Gehäuse MFK / MFS

Rastermaß: min. 3,5 mm x 4 mm
Kupplungslänge: min. 38,5 mm

MFK PLUS / MFS PLUS

Rastermaß: min. 4 mm x 4 mm
Kupplungslänge: min. 54,6 mm

MFK / MFS

Delivery form

Terminals

- single form for hand crimping tools
- chain form for semi-automatic and fully-automatic machines

MFK / MFS

Lieferform

Kontakte

- Einzelform für Handcrimpwerkzeuge
- Bandform für Halb- und Vollautomaten

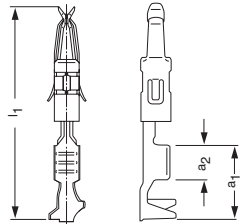
| Technical Data | | Technische Daten |
|--|---------------|--|
| MFK / MFS MFK PLUS / MFS PLUS | | MFK / MFS MFK PLUS / MFS PLUS |
| Wire cross section | 02 - 1 mm | Leiternennquerschnitt |
| For tabs | 15 mm x 06 mm | Für Flachstecker |
| Insertion force, approx | 4 N | Aufsteckkraft, ca. |
| Withdrawal force, approx | 3 N | Abziehkraft, ca. |
| Contact back-out force | >60 N | Ausreißkraft aus dem Gehäuse |

MFK / MFS

MFK / MFS

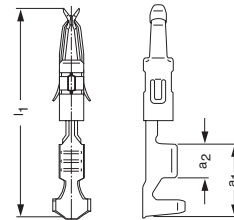
MFK terminal

Type 1



MFK Kontakt

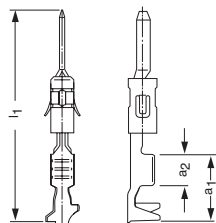
Type 2



| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form E single Behain | Part number | Material | Surface | Terminal feed |
|------|----------------------------------|--------------|---------------------|-----------------|------------------|------|------|-------|--------------------|-----------------|----------------------------|--------------------------------|----------------|------------|------------------------|
| 1 | 0.2 - 0.35 | FLR | 1.1 - 1.3 | 0.60 | 1.50 | 6.40 | 3.00 | 19.50 | 0.30 | X | B | 26121.201.179 26121.331.178 | CuSn CuFe2P | Sn Sn | NQ |
| 1 | 0.5 - 1.0 | FLR | 1.4 - 2.0 | 0.60 | 1.50 | 6.40 | 3.00 | 19.50 | 0.30 | X | B | 26125.201.179 26125.331.178 | CuSn CuFe2P | Sn Sn | NQ |
| 2 | 0.5 - 1.0 | FLR | 1.4 - 2.0 | 0.60 | 1.50 | 6.40 | 3.00 | 19.50 | 0.30 | X | B | 26128.331.178 | CuFe2P | Sn | NQ |
| Typ | Nenn- quer- schnitt qmm | Leit- art | Isol- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Verb- vor- schub |

MFS terminal

Type 1



MFS Kontakt

| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form E single Behain | Part number | Material | Surface | Terminal feed |
|------|----------------------------------|--------------|---------------------|-----------------|------------------|------|------|-------|--------------------|-----------------|----------------------------|--------------------------------|----------------|------------|------------------------|
| 1 | 0.2 - 0.35 | FLR | 1.1 - 1.3 | 0.60 | 1.50 | 6.40 | 3.00 | 22.60 | 0.30 | X | B | 26118.331.178 | CuFe2P | Sn | NQ |
| 1 | 0.5 - 1.0 | FLR | 1.4 - 2.0 | 0.60 | 1.50 | 6.40 | 3.00 | 22.60 | 0.30 | X | B | 26127.201.179 26127.331.178 | CuSn CuFe2P | Sn Sn | NQ |
| Typ | Nenn- quer- schnitt qmm | Leit- art | Isol- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Verb- vor- schub |

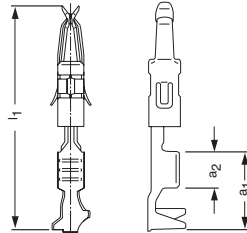
MFK PLUS MFS PLUS

MFK PLUS terminal

MFK PLUS MFS PLUS

MFK PLUS Kontakt

Type 1

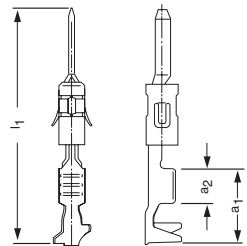


| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form Esingle Behain | Part number | Material | Surface | Terminal feed |
|------|---------------------------------|--------------|---------------------|-----------------|------------------|------|------|-------|--------------------|-----------------|----------------------------------|---|------------------------|----------------------|-----------------------|
| 1 | 0.2 - 0.35 | FLR | 1.1 - 1.3 | 0.60 | 1.50 | 6.40 | 3.00 | 19.50 | 0.30 | X | B | 26174.331.178 | CuSn | Sn | NQ |
| 1 | 0.5 - 1.0 | FLR | 1.4 - 2.0 | 0.60 | 1.50 | 6.40 | 3.00 | 19.50 | 0.30 | X | B B B | 26176.201.179 26176.201.702 26176.331.178 | CuSn CuSn CuFe2P | Sn NiSnNiAu Sn | NQ |
| Typ | Nenn- ger- schnitt qmm | Leit- art | Isol- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Wrb- vor- schub |

MFS PLUS terminal

MFS PLUS Kontakt

Type 1



| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form Esingle Behain | Part number | Material | Surface | Terminal feed |
|------|---------------------------------|--------------|---------------------|-----------------|------------------|------|------|-------|--------------------|-----------------|----------------------------------|--------------------------------|----------------|----------------|-----------------------|
| 1 | 0.5 - 1.0 | FLR | 1.4 - 2.0 | 0.60 | 1.50 | 6.40 | 3.00 | 22.60 | 0.30 | X | B B | 26159.201.702 26159.331.178 | CuSn CuFe2P | NiSnNiAu Sn | NQ |
| Typ | Nenn- ger- schnitt qmm | Leit- art | Isol- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Wrb- vor- schub |

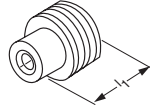
MFK / MFS

MFK / MFS

Single wire seals

Seals (Einzelleitungs-dichtungen)

Type 1



| Type | Insulation diameter | Wire diameter | l1 | Part number | Specification | Material |
|------|---------------------|---------------|------|---------------|-------------------------|-----------|
| 1 | 1.2 - 2.1 | 3.60 | 7.60 | 14000.627.670 | Einzelleitungs-dichtung | MQ |
| Typ | Isol.- Ø | Bohr.- Ø | l1 | Teile-Nr. | Bezeichnung | Werkstoff |

Seal determination for the contacts and wires

The choice of seal depends on the thickness of the wire insulation (e.g. according to DN 72551, part 6).

Zuordnung der Seals zu Kontakten und Leitungen

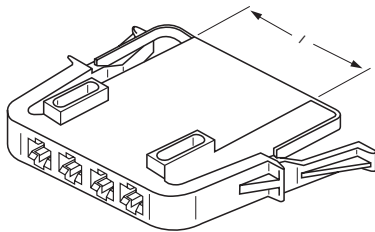
Die Wahl des Seals hängt von der Dicke der Isolierhülle der Leitungen ab (z.B. gemäß DN 72551, Teil 6).

| Wire Diameter of cavity | Wire diameter mm | Wire cross section qmm | Types of Leads | Part-number | Terminal |
|----------------------------|------------------|------------------------|----------------|---------------|----------------------|
| 3.60 | 1.2 - 2.1 | 0.22 - 0.38 | FLY | 14000.627.670 | MFK PLUS MFS PLUS |
| | | 0.35 - 1.0 | FLRY | | |
| Bohr.-Ø der Gehäuse-Kammer | Leitungs-Ø mm | Nennquerschnitt qmm | Leitungsart | Teile-Nr. | Verbindertyp |

MFK

The described housing give you an idea of the product range of LEAR. Some of the applications have been tailored to the needs of our customers and are therefore not free available (please contact us).

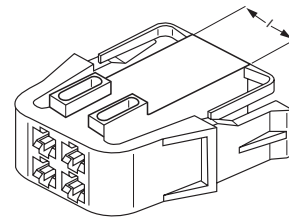
Type 1



MFK

Die dargestellten Gehäuse geben einen Einblick in das Lieferprogramm von LEAR. Einige Anwendungen sind speziell auf die Bedürfnisse des Kunden abgestimmt und daher nicht frei verfügbar (Klärung nach Rücksprache).

Type 2



| Type | No. of ways | l | Part number | Specification | Material | Colour | part of | Foot-note |
|------|-------------|-------|--------------------------------|--------------------------------|------------|---------------------------|-----------|-----------|
| 1 | 3 | 12.40 | 14116.600.699 | MFK - Gehäuse | PBT | tiefschwarz | 14114 | |
| 2 | 2 | 4.40 | 14176.600.699 | MFK - Gehäuse | PBT | tiefschwarz | 14175 | |
| 1 | 1 | 4.40 | 14177.600.684 14177.600.699 | MFK - Gehäuse MFK - Gehäuse | PBT PBT | lehm Braun tiefschwarz | 14173 | |
| 1 | 2 | 8.40 | 14178.600.699 | MFK - Gehäuse | PBT | tiefschwarz | 14174 | |
| 1 | 4 | 16.40 | 14179.625.699 | MFK - Gehäuse | PA66+PE | tiefschwarz | | |
| 1 | 6 | 24.40 | 14180.600.699 | MFK - Gehäuse | PBT | tiefschwarz | | |
| 1 | 7 | 28.40 | 14181.625.699 | MFK - Gehäuse | PA66+PE | tiefschwarz | | |
| 2 | 4 | 8.40 | 14226.600.699 | MFK - Gehäuse | PBT | tiefschwarz | 14229 | |
| 2 | 6 | 12.40 | 14227.600.699 | MFK - Gehäuse | PBT | tiefschwarz | 14230 | |
| 1 | 2 | 8.40 | 14613.600.699 | MFK - Gehäuse | PBT | tiefschwarz | | *1 |
| 1 | 2 | 8.40 | 14921.659.699 | MFK - Gehäuse | POM | tiefschwarz | 14922 | |
| Typ | Pol-zahl | l | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu | Fuß-note |

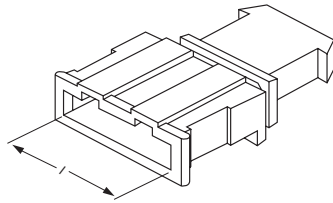
*1 Without keying

*1 Ohne Kodierung

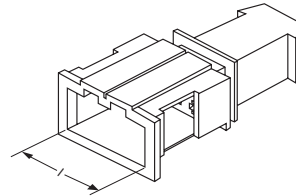
MFS

MFS

Type 1



Type 2

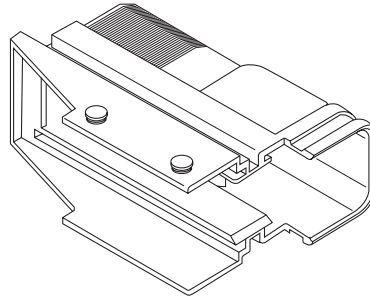


| Type | No. of ways | l | Part number | Specification | Material | Color | part of |
|------|-------------|-------|---------------|---------------|-----------|-------------|-----------|
| 1 | 3 | 20.50 | 14114.592.699 | MFS - Gehäuse | PBT-GF | tiefschwarz | 14116 |
| 1 | 5 | 28.50 | 14115.625.699 | MFS - Gehäuse | PBT-GF | tiefschwarz | 14117 |
| 1 | 1 | 12.50 | 14173.592.699 | MFS - Gehäuse | PBT-GF | tiefschwarz | 1417 |
| 1 | 2 | 16.50 | 14174.592.699 | MFS - Gehäuse | PBT-GF | tiefschwarz | 1418 |
| 2 | 2 | 12.50 | 14175.592.699 | MFS - Gehäuse | PBT-GF | tiefschwarz | 1418 |
| 2 | 4 | 16.50 | 14229.592.699 | MFS - Gehäuse | PBT-GF | tiefschwarz | 14226 |
| 2 | 6 | 20.50 | 14230.592.699 | MFS - Gehäuse | PBT-GF | tiefschwarz | 14227 |
| 1 | 6 | 32.50 | 14555.592.699 | MFS - Gehäuse | PBT-GF | tiefschwarz | |
| 1 | 2 | 16.50 | 14922.659.699 | MFS - Gehäuse | POM | tiefschwarz | 14921 |
| Typ | Stückzahl | l | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu |

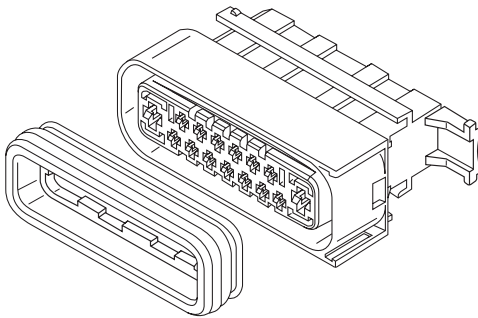
MFK PLUS MDK 3 PLUS

MFK PLUS MDK 3 PLUS

Type 1



Type 2

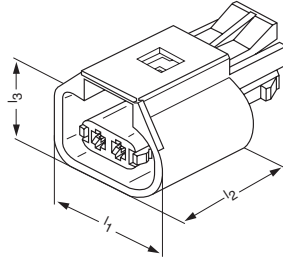


| Type | No. of ways | Part number | Specification |
|------|--------------|---------------|----------------|
| 1 | | 14004.616.699 | Kappe |
| 2 | 15 | 17647.000.000 | MFK /MDK 3 BUS |
| Typ | Stz- zahl | Teile-Nr. | Bezeichnung |

MFK PLUS

MFK PLUS

Type 1



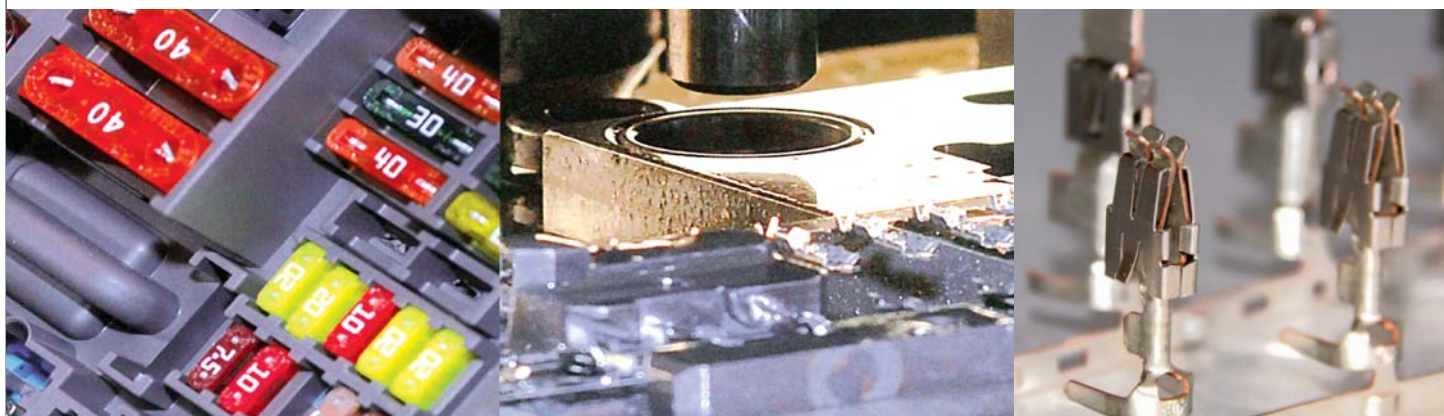
| Type | No. of ways | l1 | l2 | l3 | Part number | Specification | Material | Color | part of |
|------|-------------|-------|-------|-------|---------------|--|-----------------|--|-----------|
| 1 | 2 | 21.50 | 18.60 | 15.50 | 17075.050.000 | MFK PLUS - Gehäuse Feder Sicherungsring Dichtung Gehäuse | BT VMQ BT | tiefschwarz reinorange tiefschwarz | 16081 |
| Typ | Stückzahl | l1 | l2 | l3 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu |

AFK / AFS

Leaf Spring Connector Systems
0,63 / 1,5 / 2,8 / 4,8 mm

AFK / AFS

Flachfedersysteme
0,63 / 1,5 / 2,8 / 4,8 mm



AFK / AFS

Leaf spring connector systems 0.63 x 0.63 mm, 1.5 mm x 0.6 mm, 2.8 mm x 0.8 mm, 4.8 mm x 0.8 mm

The **AFK / AFS** systems comprise terminals for a pin 0.63 mm x 0.63 mm and terminals with tab width of 1.5 mm, 2.8 mm, and 4.8 mm with a straight wire connection area. They are designed for single and multipole connections. The design of the terminals makes a variety of secondary lockings possible.

The terminals are used together with **AFK / AFS** housings, but are also, according to size, cavity-compatible with the housings of the LEAR systems MFK, MDK and DFK.

The main applications for the **AFK / AFS** systems are found in the automotive industry.

Characteristics

- universal secondary locking
- low insertion and withdrawal forces even with 4-way applications
- high terminal density
- high current carrying capacity and longevity through the use of stainless steel springs
- high contact security even in high ambient temperatures

Use

- for single and multipole couplings
- for transmission of control currents and power supply
- for connection to components
- for splash-proof applications

Terminals

AFK 0.63 mm

- for high quality applications e.g. where security is vital
- with twist-protection for correct positioning
- one locking latch for secure locking in the housing

AFK

- receptacles for tab width 1.5 mm; 2.8 mm; 4.8 mm
- for insulation reduced wires
- two locking latches ensure secure locking in the cavity

AFK / AFS

Flachfedersysteme 0,63 x 0,63 mm, 1,5 mm x 0,6 mm, 2,8 mm x 0,8 mm, 4,8 mm x 0,8 mm

Die **AFK / AFS** Systeme beinhalten Kontakte für einen Stift 0,63 mm x 0,63 mm sowie Kontakte mit Steckerbreiten 1,5 mm, 2,8 mm und 4,8 mm mit geradem Leiteranschluß. Sie sind für ein- und mehrpolige Steckverbindungen ausgelegt. Die Gestaltung der Kontakte ermöglicht verschiedene Varianten der Sekundärverriegelung.

Die Kontakte werden in Verbindung mit **AFK / AFS** Gehäusen eingesetzt, sind aber auch entsprechend der Nenngröße kammerkompatibel mit den Gehäusen der LEAR-Systeme MFK, MDK und DFK.

Die Anwendung der **AFK / AFS** Systeme erfolgt vorzugsweise in der Kfz-Industrie.

Eigenschaften

- universell sekundärverriegelbar
- geringe Aufsteck- und Abziehungskräfte auch bei vielpoligen Anwendungen
- hohe Kontaktdichte
- hohe Strombelastbarkeit und lange Lebensdauer durch den Einsatz von Stahlfedern
- große Kontaktsicherheit auch bei hohen Umgebungstemperaturen

Einsatz

- für ein- und mehrpolige Kupplungen
- zur Übertragung von Steuerströmen und zur Stromversorgung
- zum Stecken auf Bauteile
- für den spritzwassergeschützten Einsatz

Kontakte

AFK 0,63 mm

- für hochwertige, z.B. sicherheitsrelevante Anwendung
- mit Verdrehschutz für korrekte Bestückungslage
- 1 Rastarm für sichere Verriegelung im Gehäuse

AFK

- Flachkontakte für Steckerbreiten 1,5 mm; 2,8 mm; 4,8 mm
- für wanddickenreduzierte Leitungen
- 2 Rastarme für sichere Verriegelung im Gehäuse

AFK / AFS

AFK PLUS

- receptacles for tab width 1.5 mm; 2.8 mm; 4.8 mm
- for insulation reduced wires
- two locking latches ensure secure locking in the cavity
- the insulation claw is designed for single wire seals

AFS

- tabs with tab width 1.5 mm; 2.8 mm; 4.8 mm
- for insulation reduced wires
- two locking latches ensure secure locking in the cavity

AFS PLUS

- tabs with tab width 1.5 mm; 2.8 mm; 4.8 mm
- for insulation reduced wires
- two locking latches ensure secure locking in the cavity
- the insulation claw is designed for single wire seals

Housings

- designed for corresponding terminals

Design details of the housings for a high operating safety:

- secondary locking
- keying
- hinged cover
- seals

AFK / AFS

AFK PLUS

- Flachkontakte für Steckerbreiten 1,5 mm; 2,8 mm; 4,8 mm
- für wanddickenreduzierte Leitungen
- 2 Rastarme für sichere Verriegelung im Gehäuse
- die Isolierungshalterung ist zur Aufnahme von Einzelleitungsdichtungen ausgelegt

AFS

- Flachstecker mit Steckerbreiten 1,5 mm; 2,8 mm; 4,8 mm
- für wanddickenreduzierte Leitungen
- 2 Rastarme für sichere Verriegelung im Gehäuse

AFS PLUS

- Flachstecker mit Steckerbreiten 1,5 mm; 2,8 mm; 4,8 mm
- für wanddickenreduzierte Leitungen
- 2 Rastarme für sichere Verriegelung im Gehäuse
- die Isolierungshalterung ist zur Aufnahme von Einzelleitungsdichtungen ausgelegt

Gehäuse

- ausgelegt für entsprechende Kontakte

Konstruktive Details der Gehäuse für eine hohe Betriebssicherheit:

- Zusatzverriegelungen
- Kodierungen
- Klappeckel
- Dichtungselemente

AFK / AFS

Delivery form

Terminals

- single form for hand crimping tools, crimping units
- chain form for semi-automatic and fully-automatic machines

Housings

- loose in standard packs
- bandolier form for processing on fully-automatic machines

AFK / AFS

Lieferform

Kontakte

- Einzelform für Handcrimpwerkzeuge, Crimpgeräte
- Bandform für Halb- und Vollautomaten

Gehäuse

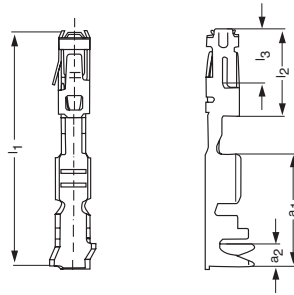
- lose in Standardverpackungen
- gegurtet für die vollautomatische Verarbeitung

| Technical Data | | Technische Daten |
|-------------------------------------|-------------------|-------------------------------------|
| AFK 0.63 mm | | AFK 0.63 mm |
| Wire cross section | 0,2 - 0,5 mm | Leiternennquerschnitt |
| For pin | 0,63 mm x 0,63 mm | Für Stift |
| Insertion force | 2 - 4 N | Aufsteckkraft |
| Withdrawal force | 1 - 3 N | Abziehkraft |
| Contact back-out force, approx | 60 N | Ausreißkraft aus dem Gehäuse, ca. |
| Current rating | 5 A | Strombelastbarkeit |
| AFK / AFS 1.5 mm (also PLUS) | | AFK / AFS 1,5 mm (auch PLUS) |
| Wire cross section | 02 - 1 mm | Leiternennquerschnitt |
| For tabs | 15 mm x 6 mm | Für Flachstecker |
| Insertion force, approx | 4N | Aufsteckkraft, ca. |
| Withdrawal force, approx | 3N | Abziehkraft, ca. |
| Contact back-out force | >60 N | Ausreißkraft aus dem Gehäuse |
| AFK / AFS 2.8 mm (also PLUS) | | AFK / AFS 2,8 mm (auch PLUS) |
| Wire cross section | 02 - 25 mm | Leiternennquerschnitt |
| For Tabs | 28mm x 8mm | Für Flachstecker |
| AFK / AFS 4,8 mm | | AFK / AFS 4,8 mm |
| Wire cross section | 02 - 4 mm | Leiternennquerschnitt |
| For tabs | 48mm x 8mm | Für Flachstecker |
| AFK PLUS / AFS PLUS 4,8 mm | | AFK PLUS / AFS 4,8 mm |
| Wire cross section | 05 - 4 mm | Leiternennquerschnitt |
| For tabs | 48mm x 8mm | Für Flachstecker |

AFK 0.63

AFK 0,63

Type 1



| Type | Wire cross section q_{im} | Insulation diameter | Pin mm \times mm | a1 | a2 | l1 | l2 | l3 | Material thickness | Steel spring | Form E single Behain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|-----------------------------|----------------------|--------------------|------|-----|----|-----|-----|--------------------|--------------|----------------------|--|--------------|------------------|---------------|-----------|
| 1 | 0.2 - 0.5 | 1.2 - 1.6 | 0.63 \times 0.63 | 6.65 | 1.3 | 14 | 5.1 | 3.2 | 0.2 | X | B B | 26869.201.176 26869.201.423 | CuSn CuSn | Sn Ni /Au /Sn | NQ | *1 |
| 1 | 0.2 - 0.5 | 1.2 - 1.6 | 0.63 \times 0.63 | 6.65 | 1.3 | 14 | 5.1 | 3.2 | 0.2 | X | B | 26870.201.423 | CuSn | Ni /Au /Sn | NQ | *1 |
| Type | Nenn-ger-schnitt q_{im} | Isol.- \varnothing | Pin mm \times mm | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Stahl-feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Ab-vor-schub | Fuß-note |

*1 Selective plating

*1 unterschiedliche Bereiche der Oberflächenveredelung

AFK / AFS

tab width 1.5 mm

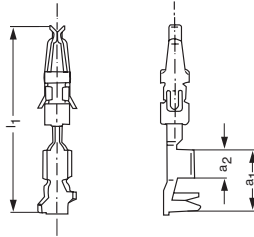
AFK / AFS

Steckerbreite 15 mm

AFK receptacle

AFK Flachkontakt

Type 1

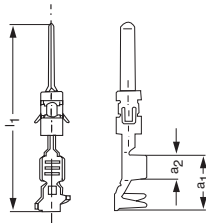


| Type | Wire cross section q_{mm} | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form E Einzel Behain | Part number | Material | Surface | Terminal feed |
|------|---------------------------------------|-----------------|------------------|------|------|------|--------------------|-----------------|----------------------------|--------------------------------|----------------|----------------|----------------------|
| 1 | 0.2 - 0.35 | 0.60 | 1.50 | 6.40 | 3.00 | 1900 | 0.30 | X | B B | 26591.201.702 26591.331.185 | CuSn CuFe2P | NiSnNiAu Sn | NQ |
| 1 | 0.5 - 1.0 | 0.60 | 1.50 | 6.40 | 3.00 | 1900 | 0.30 | X | B B | 26592.201.702 26592.331.185 | CuSn CuFe2P | NiSnNiAu Sn | NQ |
| Typ | Nenn- quer- schnitt q_{mm} | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Ab- vor- schub |

AFS tab

AFS Flachstecker

Type 1



| Type | Wire cross section q_{mm} | Type of Lead | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form E Einzel Behain | Part number | Material | Surface | Terminal feed |
|------|---------------------------------------|--------------|-----------------|------------------|------|------|-------|--------------------|-----------------|----------------------------|--------------------------------|----------------|----------------|----------------------|
| 1 | 0.2 - 0.35 | FLR | 0.60 | 1.50 | 6.40 | 3.00 | 22.40 | 0.30 | X | B B | 26589.201.702 26589.330.185 | CuSn CuFe2P | NiSnNiAu Sn | NQ |
| 1 | 0.5 - 1.0 | FLR | 0.60 | 1.50 | 6.40 | 3.00 | 22.40 | 0.30 | X | B B | 26590.201.702 26590.330.185 | CuSn CuFe2P | NiSnNiAu Sn | NQ |
| Typ | Nenn- quer- schnitt q_{mm} | Leit- art | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Ab- vor- schub |

AFK PLUS AFS PLUS

tab width 1.5 mm

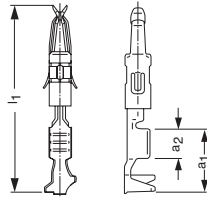
AFK PLUS receptacle

AFK PLUS AFS PLUS

Steckerbreite 15 mm

AFK PLUS Flachkontakt

Type 1

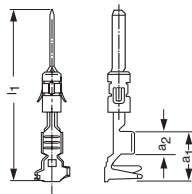


| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form E Single Behain | Part number | Material | Surface | Terminal feed |
|------|---------------------------------|--------------|---------------------|-----------------|------------------|------|------|------|--------------------|-----------------|----------------------------|---|------------------------|----------------------------------|----------------------|
| 1 | 0.2 - 0.35 | FLR | 1.10 - 1.30 | 0.60 | 1.50 | 6.40 | 3.00 | 1900 | 0.30 | X | B B | 26596.201.702 26596.331.185 | CuSn CuFe2P | Ni/Sn/Ni/Au Sn | NQ |
| 1 | 0.5 - 1.0 | FLR | 1.40 - 2.00 | 0.60 | 1.50 | 6.40 | 3.00 | 1900 | 0.30 | X | B B B | 26041.201.702 26041.201.716 26041.331.185 | CuSn CuSn CuFe2P | Ni/Sn/Ni/Au Ni/Sn/Ni/Au Sn | NQ |
| Typ | Nenn- ger- schnitt qmm | Leit- art | Isol- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Ab- vor- schub |

AFK PLUS tab

AFK PLUS Flachstecker

Type 1



| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form E Single Behain | Part number | Material | Surface | Terminal feed |
|------|---------------------------------|--------------|---------------------|-----------------|------------------|------|------|-------|--------------------|-----------------|----------------------------|--------------------------------|----------------|-------------------|----------------------|
| 1 | 0.2 - 0.35 | FLR | 1.10 - 1.30 | 0.60 | 1.50 | 6.40 | 3.00 | 22.40 | 0.30 | X | B B | 26594.201.702 26594.330.185 | CuSn CuFe2P | Ni/Sn/Ni/Au Sn | NQ |
| 1 | 0.5 - 1.0 | FLR | 1.40 - 2.00 | 0.60 | 1.50 | 6.40 | 3.00 | 22.40 | 0.30 | X | B B | 26595.201.702 26595.330.185 | CuSn CuFe2P | Ni/Sn/Ni/Au Sn | NQ |
| Typ | Nenn- ger- schnitt qmm | Leit- art | Isol- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Ab- vor- schub |

AFK / AFS

tab width 2.8mm

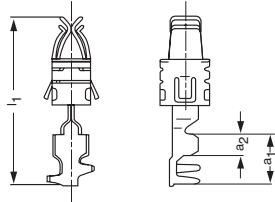
AFK / AFS

Steckerbreite 2.8mm

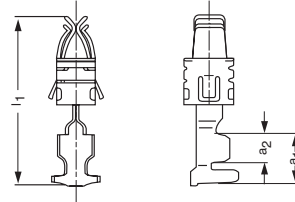
AFK receptacle

AFK Flachkontakt

Type 1



Type 2

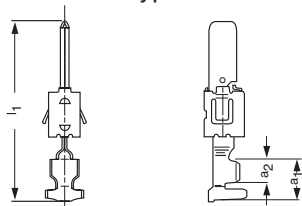


| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form E Einzel Behain | Part number | Material | Surface | Terminal feed |
|------|---------------------------------|--------------|---------------------|-----------------|------------------|------|------|----|--------------------|-----------------|----------------------------|--------------------------------|--------------|----------------|-----------------------|
| 1 | 0.2 - 0.35 | FLR | 1.10 - 1.50 | 0.8 | 2.8 | 5.60 | 2.50 | 18 | 0.32 | X | B B | 26700.201.185 26700.201.702 | CuSn CuSn | Sn NiSnNiAu | NQ |
| 2 | 0.5 - 1.0 | FLR | 1.40 - 2.00 | 0.8 | 2.8 | 5.50 | 3.00 | 18 | 0.32 | X | B B | 26701.201.185 26701.201.702 | CuSn CuSn | Sn NiSnNiAu | NQ |
| 2 | 1.5 - 2.5 | FLR | 1.8 - 2.8 | 0.8 | 2.8 | 5.8 | 3.30 | 18 | 0.32 | X | B B | 26705.201.185 26705.201.702 | CuSn CuSn | Sn NiSnNiAu | NQ |
| Typ | Nenn- ger- schnitt qmm | Leit- art | Isol- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Art- vor- schub |

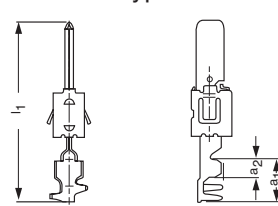
AFS tab

AFS Flachstecker

Type 1



Type 2



| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form E Einzel Behain | Part number | Material | Surface | Terminal feed |
|------|---------------------------------|--------------|---------------------|-----------------|------------------|------|------|-------|--------------------|-----------------|----------------------------|--------------------------------|----------------|----------------|-----------------------|
| 1 | 1.5 - 2.5 | FLR | 1.8 - 2.8 | 0.8 | 2.8 | 5.8 | 3.30 | 24.20 | 0.32 | X | B | 26657.330.185 | CuFe2P | Sn | NQ |
| 1 | 0.5 - 1.0 | FLR | 1.40 - 2.00 | 0.8 | 2.8 | 5.50 | 3.00 | 24.20 | 0.32 | X | B B | 26659.201.702 26659.330.185 | CuSn CuFe2P | NiSnNiAu Sn | NQ |
| 2 | 0.2 - 0.5 | FLR | 1.10 - 1.50 | 0.8 | 2.8 | 5.60 | 2.50 | 24.20 | 0.32 | X | B B | 26671.201.702 26671.330.185 | CuSn CuFe2P | NiSnNiAu Sn | NQ |
| Typ | Nenn- ger- schnitt qmm | Leit- art | Isol- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Art- vor- schub |

AFK PLUS AFS PLUS

tab width 2.8mm

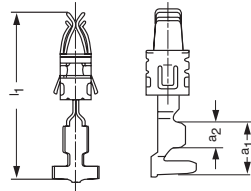
AFK PLUS receptacle

AFK PLUS AFS PLUS

Steckerbreite 28 mm

AFK PLUS Flachkontakt

Type 1

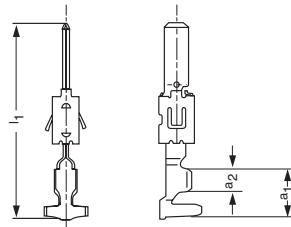


| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form E Single Behain | Part number | Material | Surface | Terminal feed |
|------|---------------------------------|--------------|---------------------|-----------------|------------------|------|------|------|--------------------|-----------------|----------------------------|--------------------------------|--------------|-------------------|----------------------|
| 1 | 0.2 - 0.35 | FLR | 1.10 - 1.50 | 0.8 | 2.8 | 6.30 | 2.50 | 19.8 | 0.32 | X | B B | 26638.201.185 26638.201.702 | CuSn CuSn | Sn Ni/Sn/Ni/Au | NQ |
| 1 | 0.5 - 1.0 | FLR | 1.40 - 2.00 | 0.8 | 2.8 | 6.30 | 3.00 | 19.8 | 0.32 | X | B B | 26637.201.185 26637.201.702 | CuSn CuSn | Sn Ni/Sn/Ni/Au | NQ |
| 1 | 1.5 - 2.5 | FLR | 1.9 - 2.9 | 0.8 | 2.8 | 6.8 | 3.50 | 19.8 | 0.32 | X | B B | 26636.201.185 26636.201.702 | CuSn CuSn | Sn Ni/Sn/Ni/Au | NQ |
| Typ | Nenn- ger- schnitt qmm | Leit- art | Isol- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Ab- vor- schub |

AFK PLUS tab

AFK PLUS Flachstecker

Type 1



| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form E Single Behain | Part number | Material | Surface | Terminal feed |
|------|---------------------------------|--------------|---------------------|-----------------|------------------|------|------|-------|--------------------|-----------------|----------------------------|--------------------------------|--------------|-------------------|----------------------|
| 1 | 0.2 - 0.5 | FLR | 1.10 - 1.50 | 0.8 | 2.8 | 6.30 | 2.50 | 25.00 | 0.32 | X | B B | 26673.201.702 26673.330.185 | CuSn CuSn | Ni/Sn/Ni/Au Sn | NQ |
| 1 | 0.5 - 1.0 | FLR | 1.40 - 2.00 | 0.8 | 2.8 | 6.30 | 3.00 | 25.00 | 0.32 | X | B B | 26674.201.702 26674.330.185 | CuSn CuSn | Ni/Sn/Ni/Au Sn | NQ |
| 1 | 1.5 - 2.5 | FLR | 1.9 - 2.9 | 0.8 | 2.8 | 6.8 | 3.50 | 25.00 | 0.32 | X | B | 26676.330.185 | CuSn | Sn | NQ |
| Typ | Nenn- ger- schnitt qmm | Leit- art | Isol- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Ab- vor- schub |

AFK / AFS

tab width 4.8mm

AFK / AFS

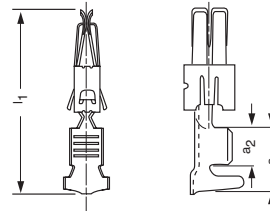
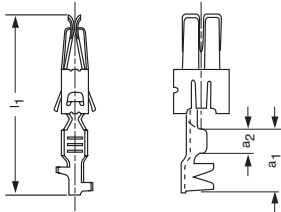
Steckerbreite 48mm

AFK receptacle

AFK Flachkontakt

Type 1

Type 2



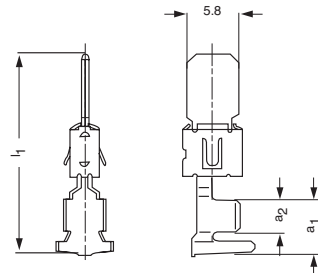
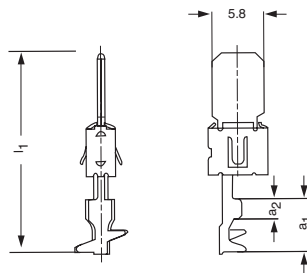
| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form E Einzel B Behän | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------|---------------------|---------------|--------------|------|------|------|--------------------|--------------|-----------------------|---------------|-----------|------------|---------------|
| 1 | 0.2 - 0.35 | FLFLR | 1.10 - 1.50 | 0.6 | 4.6 | 6.60 | 2.50 | 1.50 | 0.40 | X | B | 26697.330.186 | CuFe2P | Sn | NQ |
| 2 | 0.5 - 1.0 | FLR | 1.40 - 2.00 | 0.6 | 4.6 | 5.6 | 3.00 | 1.50 | 0.40 | X | B | 26649.330.186 | CuFe2P | Sn | NQ |
| 2 | 1.5 - 2.5 | FLR | 1.6 - 2.9 | 0.6 | 4.6 | 6.30 | 3.50 | 1.50 | 0.40 | X | B | 26648.330.186 | CuFe2P | Sn | NQ |
| 2 | 2.5 - 4.0 | FL | 3.6 - 4.50 | 0.6 | 4.6 | 6.6 | 4.00 | 1.50 | 0.40 | X | B | 26650.330.186 | CuFe2P | Sn | NQ |
| Typ | Nenn-ger-schnitt qmm | Leit-art | Isol.-Ø | Steck-dicke | Steck-breite | a1 | a2 | l1 | Mat.-dicke | Stahl-feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Ab-vor-schub |

AFS tab

AFS Flachstecker

Type 1

Type 2



| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form E Einzel B Behän | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------|---------------------|---------------|--------------|------|------|-------|--------------------|--------------|-----------------------|---------------|-----------|------------|---------------|
| 1 | 0.2 - 0.5 | FLFLR | 1.10 - 1.50 | 0.6 | 4.6 | 6.60 | 2.50 | 25.20 | 0.38 | X | B | 26788.330.185 | CuFe2P | Sn | NQ |
| 2 | 0.5 - 1.0 | FLR | 1.40 - 2.00 | 0.6 | 4.6 | 5.6 | 3.00 | 25.20 | 0.38 | X | B | 26685.330.185 | CuFe2P | Sn | NQ |
| 2 | 1.5 - 2.5 | FLR | 1.6 - 2.9 | 0.6 | 4.6 | 6.30 | 3.50 | 25.20 | 0.38 | X | B | 26689.330.185 | CuFe2P | Sn | NQ |
| 2 | 2.5 - 4.0 | FL | 3.6 - 4.50 | 0.6 | 4.6 | 6.6 | 4.00 | 25.20 | 0.38 | X | B | 26695.330.185 | CuFe2P | Sn | NQ |
| Typ | Nenn-ger-schnitt qmm | Leit-art | Isol.-Ø | Steck-dicke | Steck-breite | a1 | a2 | l1 | Mat.-dicke | Stahl-feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Ab-vor-schub |

AFK PLUS AFS PLUS

tab width 4.8mm

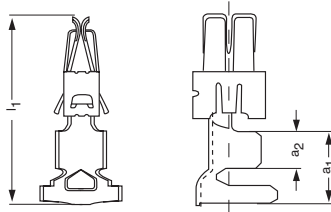
AFK PLUS receptacle

AFK PLUS AFS PLUS

Steckerbreite 48mm

AFK PLUS Flachkontakt

Type 1

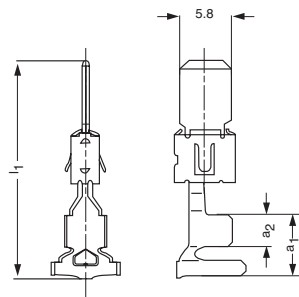


| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form Single Behälter | Part number | Material | Surface | Terminal feed |
|------|---------------------------------|--------------|---------------------|-----------------|------------------|------|------|-------|--------------------|-----------------|--------------------------|---------------|-----------|------------|------------------------|
| 1 | 0.5 - 1.0 | FLR | 1.40 - 2.00 | 0.6 | 4.6 | 7.20 | 3.00 | 20.00 | 0.40 | X | B | 26679.330.186 | CuFe2P | Sn | NQ |
| 1 | 1.5 - 2.5 | FLR | 1.9 - 2.9 | 0.6 | 4.6 | 7.70 | 3.50 | 20.00 | 0.40 | X | B | 26682.330.186 | CuFe2P | Sn | NQ |
| 1 | 2.5 - 4.0 | FL | 3.8 - 4.50 | 0.6 | 4.6 | 7.70 | 4.00 | 20.00 | 0.40 | X | B | 26684.330.186 | CuFe2P | Sn | NQ |
| Typ | Nenn- ger- schnitt qmm | Leit- art | Isol- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form Einzel B-Band | Teile-Nr. | Werkstoff | Oberfläche | Verb- vor- schub |

AFS PLUS tab

AFS PLUS Flachstecker

Type 1



| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Steel spring | Form Single Behälter | Part number | Material | Surface | Terminal feed |
|------|---------------------------------|--------------|---------------------|-----------------|------------------|------|------|-------|--------------------|-----------------|--------------------------|---------------|-----------|------------|------------------------|
| 1 | 0.5 - 1.0 | FLR | 1.40 - 2.00 | 0.6 | 4.6 | 7.20 | 3.00 | 27.20 | 0.38 | X | B | 26687.330.179 | CuFe2P | Sn | NQ |
| | | | | | | | | | | | B | 26687.330.185 | CuFe2P | Sn | |
| | | | | | | | | | | | B | 26687.330.710 | CuFe2P | Ag | |
| 1 | 1.5 - 2.5 | FLR | 1.9 - 2.9 | 0.6 | 4.6 | 7.70 | 3.50 | 27.20 | 0.38 | X | B | 26691.330.179 | CuSn | Sn | NQ |
| | | | | | | | | | | | B | 26691.330.185 | CuSn | NiSnNiAu | |
| 1 | 2.5 - 4.0 | FL | 3.8 - 4.50 | 0.6 | 4.6 | 7.70 | 4.00 | 27.20 | 0.38 | X | B | 26693.330.185 | CuFe2P | Sn | NQ |
| 1 | 4 - 6 | | 3.4 - 4.3 | 0.6 | 4.6 | 5.0 | 4.00 | 27.20 | 0.38 | X | B | 26978.306.179 | CuCrSiTi | Sn | NQ |
| | | | | | | | | | | | B | 26978.306.710 | CuCrSiTi | NiSnNiAu | |
| Typ | Nenn- ger- schnitt qmm | Leit- art | Isol- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | Mat- dicke | Stahl- feder | Form Einzel B-Band | Teile-Nr. | Werkstoff | Oberfläche | Verb- vor- schub |

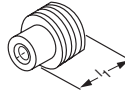
AFK / AFS

AFK / AFS

Single wire seals

Seals (Einzelleitungsdichtungen)

Type 1



| Type | Insulation diameter | Wire diameter | l1 | Part number | Specification | Material | Colour | Foot-note |
|------|---------------------|---------------|------|--------------------------------|--|-----------|--------------------------|-----------|
| 1 | 3.4 - 4.4 | ∅0 | 7.50 | 16259.627.646 | Einzelleitungsdichtung | MQ | blaugrün | |
| 1 | 1.9 3 | 5.15 | 7.50 | 16260.627.626 | Einzelleitungsdichtung | MQ | rotbraun | *1 |
| 1 | 1.2 - 2.1 | 5.15 | 7.50 | 16276.627.642 | Einzelleitungsdichtung | MQ | enzianblau | *1 |
| 1 | 1.9 3 | ∅0 | 7.50 | 16278.627.694 | Einzelleitungsdichtung | MQ | reinweiß | *1 |
| 1 | 1.9 3 | 5.15 | 7.50 | 16694.627.626 | Einzelleitungsdichtung | MQ | rotbraun | |
| 1 | 1.2 - 2.1 | 5.15 | 7.50 | 16695.627.619 16695.627.642 | Einzelleitungsdichtung Einzelleitungsdichtung | MQ | reinorange enzianblau | |
| 1 | 1.9 3 | ∅0 | 7.50 | 16696.627.694 | Einzelleitungsdichtung | MQ | reinweiß | |
| Typ | Isol.- ∅ | Bohr.- ∅ | l1 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

*1 Safety part

*1 Dokumentationspflichtiges Teil

Seal determination for the contacts and wires

Zuordnung der Seals zu Kontakten und Leitungen

The choice of seal depends on the thickness of the wire insulation (e.g. according to DN 72551, part 6).

Die Wahl des Seals hängt von der Dicke der Isolierhülle der Leitungen ab (z.B gemäß DN 72551, Teil 6).

| Wire diameter of cavity | Wire diameter mm | Wire cross section qmm | Type of Lead | Part number | Foot-note | Terminal |
|---------------------------|------------------|------------------------|--------------|---------------|-----------|--|
| 5.15 | 1.2 - 2.1 | 0.22 - 0.38 | FLY | 16695.627.619 | *1 | AFK PLUS AFS PLUS Steckerbreite 2.8 mm |
| | | 0.35 - 1.0 | FLRY | 16695.627.642 | | |
| | 1.9 3.0 | 0.5 - 1.5 | FLY | 16694.627.626 | | |
| | | 1.0 - 2.5 | FLRY | 16260.627.626 | | |
| ∅ | 1.9 3.0 | 0.5 - 1.5 | FLY | 16696.627.694 | *1 | AFK PLUS AFS PLUS Steckerbreite 1.5 mm |
| | | 1.0 - 2.5 | FLRY | 16278.627.694 | | |
| | 3.4 - 4.4 | 2.5 - 4.0 | FLY | 16259.627.646 | | |
| | | 4.0 - 6.0 | FLRY | | | |
| Bohr.-∅ der Gehäusekammer | Leitungs-∅ mm | Nennerschnitt qmm | Leitungsart | Teile-Nr. | Fuß-note | Verbindertyp |

*1 Safety part

*1 Dokumentationspflichtiges Teil

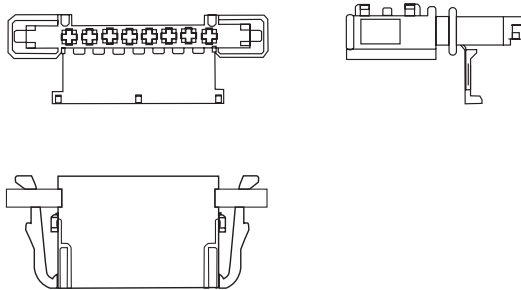
AFK

The described housings give you an idea of the product range of LEAR. Some of the applications have been tailored to the needs of our customers and are therefore not free available (please contact us).

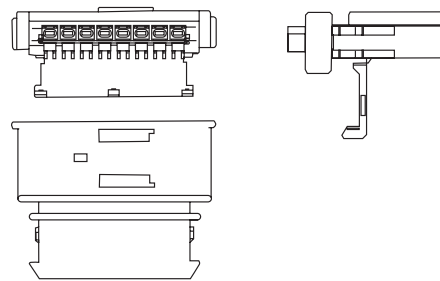
AFK

Die dargestellten Gehäuse geben einen Einblick in das Lieferprogramm von LEAR. Einige Anwendungen sind speziell auf die Bedürfnisse des Kunden abgestimmt und daher nicht frei verfügbar (Klärung nach Rücksprache).

Type 1



Type 2

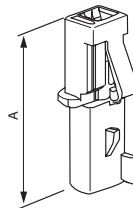


| Type | No. of ways | Pitch | Part number | Specification | Material | Colour | part of | Foot-note |
|------|-------------|--------|--|--------------------------------|------------|-------------------------|-----------|-----------|
| 1 | 2 | 4.00 | 14650.669.696 | AFK - Gehäuse | PBT | tiefschwarz | 14658 | *1 |
| 1 | 3 | 4.00 | 14651.669.696 | AFK - Gehäuse | PBT | tiefschwarz | 14659 | *1 |
| 1 | 5 | 4.00 | 14653.669.696 | AFK - Gehäuse | PBT | tiefschwarz | 14661 | *1 |
| 1 | 6 | 4.00 | 14654.669.696 | AFK - Gehäuse | PBT | tiefschwarz | 14662 | *1 |
| 1 | 7 | 4.00 | 14655.669.696 | AFK - Gehäuse | PBT | tiefschwarz | 14663 | *1 |
| 2 | 2 | 4.00 | 14658.669.613 14658.669.696 | AFK - Gehäuse AFK - Gehäuse | PBT PBT | zinkgelb tiefschwarz | 14650 | *1 |
| Typ | Pol-zahl | Raster | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu | Fuß-note |

*1 With wire anti-snagging feature

*1 mit Drahtverhakungsschutz

Type 1

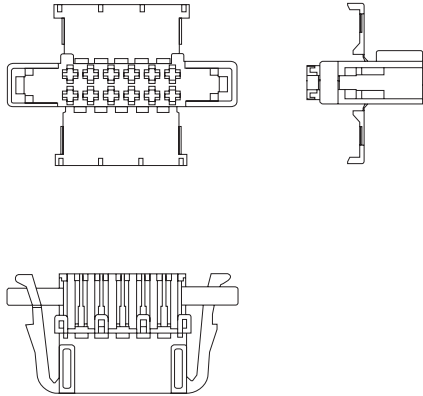


| Type | No. of ways | A | Part number | Specification | Material | Colour |
|------|-------------|------|----------------------|---------------|-----------|---------|
| 1 | 1 | 22.5 | 13242.562.699 | AFK - Gehäuse | PA66 | schwarz |
| Typ | Pol-zahl | A | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

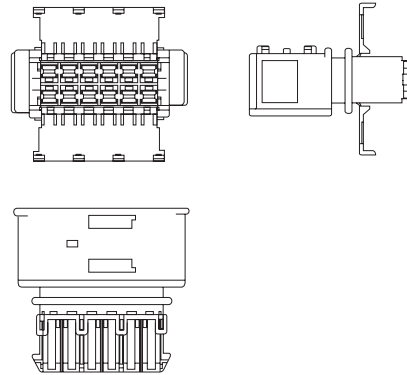
AFK / AFS

AFK / AFS

Type 1



Type 2

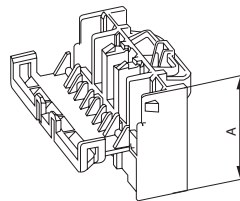


| Type | No. of ways | Pitch | Part number | Specification | Material | Colour | part of | Foot-note |
|------|-------------|--------|--------------------------------|--------------------------------|------------|-----------------------|---------|-----------|
| 1 | 8 | 4.00 | 13848.600.699 | AFK - Gehäuse | PBT | tiefschwarz | 14672 | *1 |
| 1 | 8 | 4.00 | 14668.669.636 14668.669.647 | AFK - Gehäuse AFK - Gehäuse | PBT PBT | lichtblau gelbgrün | 14674 | *1 *1 |
| 1 | 12 | 4.00 | 13709.600.699 | AFK - Gehäuse | PBT | tiefschwarz | 14676 | *1 |
| 2 | 12 | 4.00 | 14676.669.696 | AFS - Gehäuse | PBT | tiefschwarz | 14670 | *1 |
| Typ | Pol-zahl | Raster | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehä zu | Fuß-note |

*1 With wire anti-snagging feature

*1 mit Drahtverhakungsschutz

Type 1

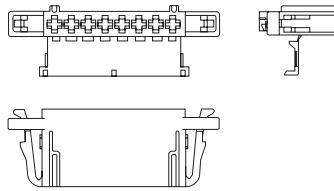


| Type | No. of ways | A | Part number | Specification | Material |
|------|-------------|----|---------------|---------------|-----------|
| 1 | 5 | 25 | 13559.562.699 | AFK 2848 | PA66 |
| Typ | Pol-zahl | A | Teile-Nr. | Bezeichnung | Werkstoff |

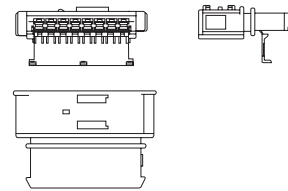
AFK / AFS

AFK / AFS

Type 1



Type 2



| Type | No. of ways | Pitch | Part number | Material | Colour | part of | Foot-note |
|------|-------------|--------|--------------------------------|------------|-------------------------|---------|-----------|
| 1 | 2 | 5.00 | 14678.669.695 | PBT | reinweiß | 1468 | *1 |
| 1 | 2 | 5.00 | 13706.600.699 | PBT | tiefschwarz | | *1 |
| 1 | 3 | 5.00 | 14679.669.696 | PBT | tiefschwarz | 1468 | *1 |
| 1 | 4 | 5.00 | 13708.600.699 | PBT | tiefschwarz | 1468 | *1 |
| 1 | 6 | 5.00 | 14682.669.696 | PBT | tiefschwarz | 1469 | *1 |
| 1 | 7 | 5.00 | 14683.669.696 | PBT | tiefschwarz | 1469 | *1 |
| 2 | 2 | 5.00 | 14686.669.695 14686.669.696 | PBT PBT | reinweiß tiefschwarz | 14678 | *1 |
| 1 | 2 | 5.00 | 14728.669.696 | PBT | tiefschwarz | | *1,*2 |
| Typ | Pol-zahl | Raster | Teile-Nr. | Werkstoff | Farbe | geht zu | Fuß-note |

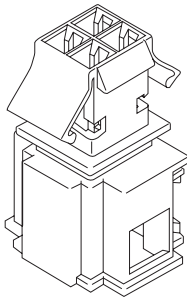
*1 With wire anti-snagging feature

*2 Keying,Centered

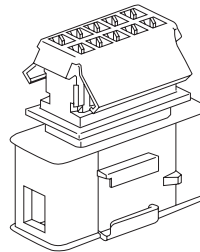
*1 mit Drahtverhakungsschutz

*2 Kodierung zentriert

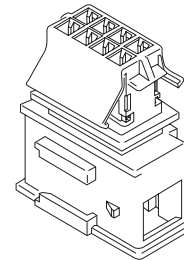
Type 1



Type 2



Type 3



| Type | No. of ways | Part number | Specification | Material | Colour |
|------|-------------|---------------|---------------|-----------|-------------|
| 1 | 4 | 13508.669.699 | AFS - Gehäuse | PBT | tiefschwarz |
| 2 | 10 | 13530.669.699 | AFS - Gehäuse | PBT | tiefschwarz |
| 3 | 4 | 13551.669.699 | AFS - Gehäuse | PBT | tiefschwarz |
| 3 | 8 | 13552.669.699 | AFS - Gehäuse | PBT | tiefschwarz |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

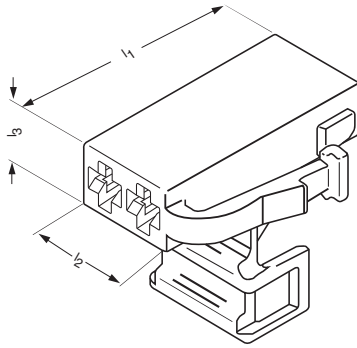
AFK / AFS

Couplings for the receptacles
tab width 2.8mm

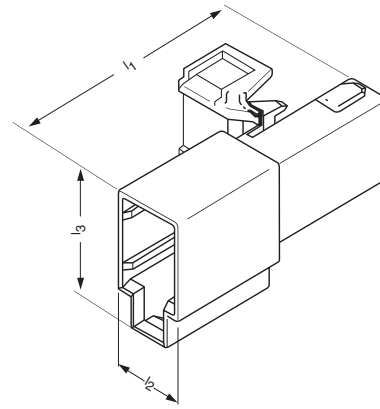
AFK / AFS

Kupplungen für Flachkontakte
Steckerbreite 28mm

Type 1



Type 2

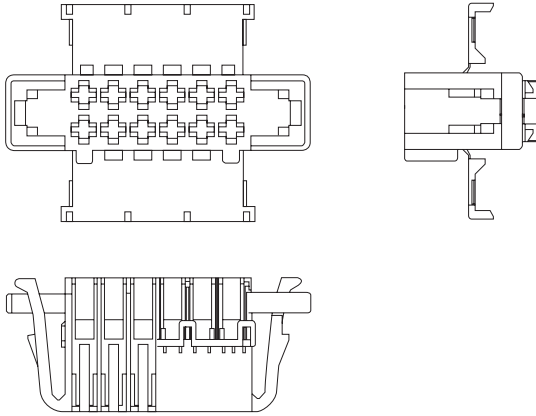


| Type | No. of ways | Pitch | l1 | l2 | l3 | Part number | Specification | Material | Colour | part of |
|------|-------------|--------|-------|-------|------|---------------|---------------|-----------|--------|-----------|
| 1 | 2 | 5.00 | 25.00 | 11.00 | 6.0 | 16810.562.501 | AFK - Gehäuse | PA66 | natur | 16811 |
| 2 | 2 | 5.00 | 35.50 | 18.0 | 18.0 | 16811.562.501 | AFS - Gehäuse | PA66 | natur | 16810 |
| Typ | Pol-zahl | Raster | l1 | l2 | l3 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu |

AFK

Couplings for receptacles
tab width 2.8mm

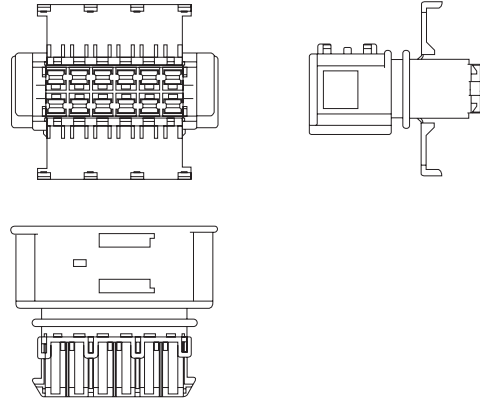
Type 1



AFK

Kupplungen für Flachkontakte
Steckerbreite 28mm

Type 2

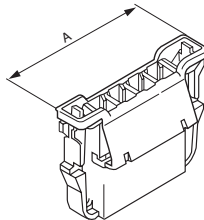


| Type | No. of ways | Pitch | Part number | Specification | Material | Colour | part of | Foot-note |
|------|-------------|--------|--------------------------------|--------------------------------|------------|-------------------------|-----------|-----------|
| 1 | 4 | 5.00 | 14694.669.696 | AFK - Gehäuse | PBT | tiefschwarz | 14700 | *1 |
| 1 | 6 | 5.00 | 14695.669.647 14695.669.696 | AFK - Gehäuse AFK - Gehäuse | PBT PBT | gelbgrün tiefschwarz | 14701 | *1 *1 |
| 1 | 8 | 5.00 | 14696.669.696 | AFK - Gehäuse | PBT | tiefschwarz | 14702 | *1 |
| 1 | 10 | 5.00 | 14697.669.696 | AFK - Gehäuse | PBT | tiefschwarz | 14703 | *1 |
| 1 | 12 | 5.00 | 14698.669.696 | AFK - Gehäuse | PBT | tiefschwarz | 14704 | *1 |
| 2 | 4 | 5.00 | 14700.669.696 | AFS - Gehäuse | PBT | tiefschwarz | 14694 | *1 |
| 2 | 8 | 5.00 | 14702.669.696 | AFS - Gehäuse | PBT | tiefschwarz | 14696 | *1 |
| Typ | Pol-zahl | Raster | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu | Fuß-note |

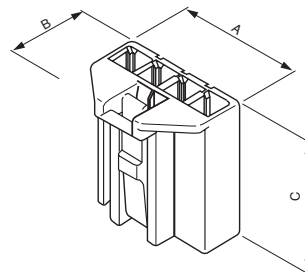
*1 With wire anti-snagging feature

*1 mit Drahtverhakungsschutz

Type 1



Type 2



| Type | No. of ways | A | B | C | Part number | Specification | Material |
|------|-------------|------|----|----|---------------|---------------|-----------|
| 1 | 4 | 33.9 | | | 13556.669.699 | AFK - Gehäuse | PBT |
| 2 | 4 | 21.6 | 14 | 23 | 13243.601.699 | AFK - Gehäuse | PBT-GF |
| Typ | Pol-zahl | A | B | C | Teile-Nr. | Bezeichnung | Werkstoff |

AFK PLUS

buses for receptacles
for tab width 2.8mm

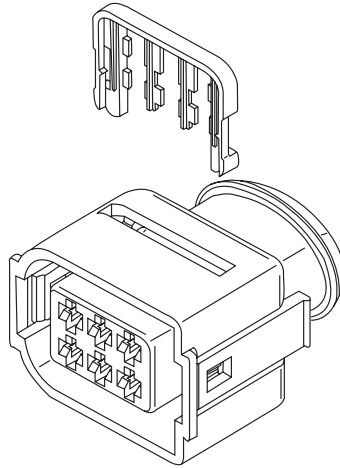
Housing for electrical window lifter

AFK PLUS

Gehäuse für Flachkontakte
für Steckerbreite 2,8mm

Gehäuse für Fensterhebermotor

Type 1



| Type | No. of Way | Part number | Specification | Foot-note |
|------|------------|---------------|--------------------|-----------|
| 1 | 6 | 18279.050.000 | AFK PLUS - Gehäuse | *1 |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Farbe |

*1 Sealed type

*1 Gedichtete Ausführung

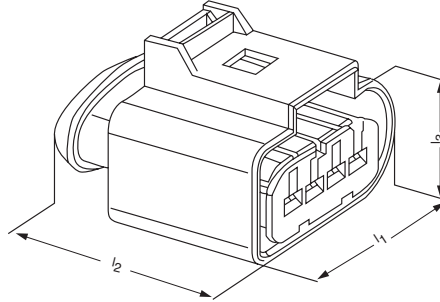
AFK PLUS

buses for receptacles
for tab width 2.8mm

AFK PLUS

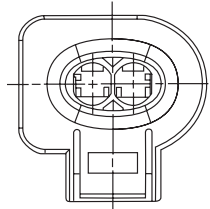
Gehäuse für Flachkontakte
für Steckerbreite 28mm

Type 1

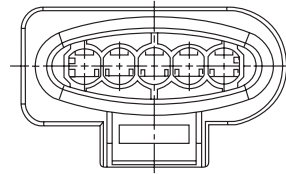


| Type | No. of ways | I1 | I2 | I3 | Part number | Specification | Material | Colour |
|------|--------------|-------|-------|-------|---------------|--|------------------|---|
| 1 | 2 | 23.00 | 34.50 | 17.00 | 18283.000.000 | AFK PLUS - Gehäuse Dichtung Gehäuse Verriegelungsschieber | MQ PBT PBT | pastellorange tiefschwarz verkehrsrot |
| Typ | Pol- zahl | I1 | I2 | I3 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Type 1



Type 2



| Type | No. of ways | Part number | Specification | Colour |
|------|--------------|---------------|--------------------|---------|
| 1 | 2 | 18985.000.000 | AFK PLUS - Gehäuse | violett |
| 2 | 5 | 18995.000.000 | AFK PLUS - Gehäuse | rot |
| Typ | Pol- zahl | Teile-Nr. | Bezeichnung | Farbe |

AFS MDK 5

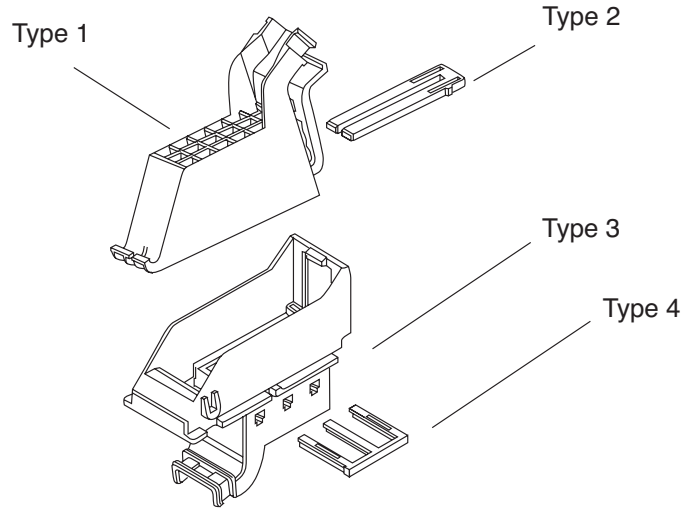
18 way connection

it combines the AFS (tab width 2.8mm) and MDK 5 flat connector systems.

AFS MDK 5

18-polige Steckverbindung

Sie kombiniert die Flachstecksysteme AFS(Steckerbreite 28mm) mit MDK 5.



| Type | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|-------------|-----------|--------------------------------|------------------------------------|------------------------|-------------------|
| 2 | | | 14708.562.621 | Schieber | PA66 | feuerrot |
| 1 | 18 | Code Nr.6 | 14709.568.501 14709.568.613 | MDK 5 - Gehäuse MDK 5 - Gehäuse | PA66PE-GF PA66PE-GF | natur zinkgelb |
| 1 | 18 | Code Nr.5 | 14780.568.501 14780.568.613 | MDK 5 - Gehäuse MDK 5 - Gehäuse | PA66PE-GF PA66PE-GF | natur zinkgelb |
| 1 | 18 | Code Nr.4 | 14781.568.501 14781.568.613 | MDK 5 - Gehäuse MDK 5 - Gehäuse | PA66PE-GF PA66PE-GF | natur zinkgelb |
| 1 | 18 | Code Nr.3 | 14782.568.501 14782.568.613 | MDK 5 - Gehäuse MDK 5 - Gehäuse | PA66PE-GF PA66PE-GF | natur zinkgelb |
| 1 | 18 | Code Nr.1 | 14783.568.501 14783.568.613 | MDK 5 - Gehäuse MDK 5 - Gehäuse | PA66PE-GF PA66PE-GF | natur zinkgelb |
| 3 | 18 | Code Nr.1 | 14946.568.501 14946.568.613 | AFS - Gehäuse AFS - Gehäuse | PA66PE-GF PA66PE-GF | natur zinkgelb |
| 3 | 18 | Code Nr.2 | 14947.568.501 14947.568.613 | AFS - Gehäuse AFS - Gehäuse | PA66PE-GF PA66PE-GF | natur zinkgelb |
| 3 | 18 | Code Nr.3 | 14948.568.501 14948.568.613 | AFS - Gehäuse AFS - Gehäuse | PA66PE-GF PA66PE-GF | natur zinkgelb |
| 3 | 18 | Code Nr.4 | 14949.568.501 14949.568.613 | AFS - Gehäuse AFS - Gehäuse | PA66PE-GF PA66PE-GF | natur zinkgelb |
| 3 | 18 | Code Nr.5 | 14950.568.501 14950.568.613 | AFS - Gehäuse AFS - Gehäuse | PA66PE-GF PA66PE-GF | natur zinkgelb |
| 3 | 18 | Code Nr.6 | 14951.568.501 14951.568.613 | AFS - Gehäuse AFS - Gehäuse | PA66PE-GF PA66PE-GF | natur zinkgelb |
| 4 | | | 14957.562.621 | Wriegelungsschieber | PA66 | feuerrot |
| 1 | 18 | Code Nr.2 | 16018.568.501 16018.568.613 | MDK 5 - Gehäuse MDK 5 - Gehäuse | PA66PE-GF PA66PE-GF | natur zinkgelb |
| Typ | Pol-zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

AFS DFK 3

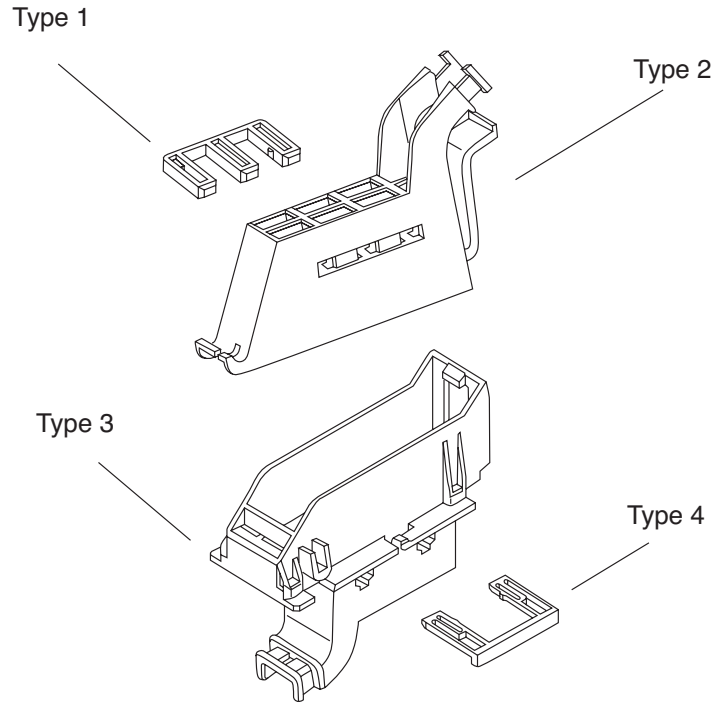
8 way connection

it combines the AFS (tab width 4.8mm) and MDK 3 flat connector systems.

AFS DFK 3

8-polige Steckverbindung

Sie kombiniert die Flachstecksysteme AFS (Steckerbreite 4,8mm) mit MDK 3.

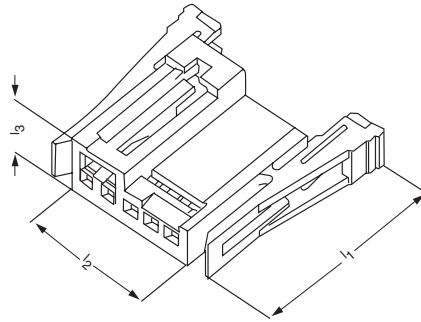


| Type | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|-------------|-----------|---------------|-----------------------|-----------|----------|
| 2 | 8 | Code Nr.3 | 14792.568.501 | DFK 3 - Gehäuse | PA66PE-GF | natur |
| 2 | 8 | Code Nr.2 | 14793.568.501 | DFK 3 - Gehäuse | PA66PE-GF | natur |
| 2 | 8 | Code Nr.1 | 14794.568.501 | DFK 3 - Gehäuse | PA66PE-GF | natur |
| 1 | | | 14795.562.621 | Schieber | PA66 | feuerrot |
| 3 | 8 | Code Nr.1 | 14952.568.501 | AFS - Gehäuse | PA66PE-GF | natur |
| 3 | 8 | Code Nr.3 | 14954.568.501 | AFS - Gehäuse | PA66PE-GF | natur |
| 4 | | | 14956.562.621 | Verriegelungsschieber | PA66 | feuerrot |
| Typ | Polzahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

AFK 0.63

AFK 0,63

Type 1



| Type | No. of ways | Pitch | l1 | l2 | l3 | Part number | Specification | Material | Colour/ Surface |
|------|--------------|--------|-------|-------|-----|---------------|--|------------|-------------------------------------|
| 1 | 5 | 2.54 | 21.00 | 14.00 | 6.0 | 18258.000.000 | AFK 0.63 Gehäuse Flachkontaktgehäuse Schieber Strombrücke | PBT PBT | zinkgelb verkehrspurpur selAu |
| Typ | Pol- zahl | Raster | l1 | l2 | l3 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe/ Oberfläche |

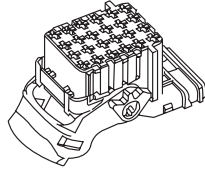
AFK / AFS

buses for receptacles
tab width 2.8mm

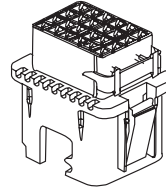
AFK / AFS

Gehäuse für Flachkontakte
Steckerbreite 28mm

Type 1



Type 2

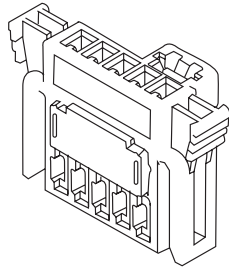


| Type | Keying | Part number | Specification | Colour |
|------|-----------|---------------|--|-----------------------------|
| 1 | 1 | 18796.000.000 | AFK - Gehäuse Schieber Abel Gehäuse | schwarz schwarz gelb |
| 1 | 2 | 18797.000.000 | AFK - Gehäuse Schieber Abel Gehäuse | schwarz schwarz grün |
| 1 | 3 | 18798.000.000 | AFK - Gehäuse Schieber Abel Gehäuse | schwarz schwarz blau |
| 1 | 4 | 18799.000.000 | AFK - Gehäuse Schieber Abel Gehäuse | schwarz schwarz natur |
| 1 | 5 | 18800.000.000 | AFK - Gehäuse Schieber Abel Gehäuse | schwarz schwarz rot |
| 1 | 6 | 18801.000.000 | AFK - Gehäuse Schieber Abel Gehäuse | schwarz schwarz grau |
| 1 | 7 | 18821.000.000 | AFK - Gehäuse Schieber Abel Gehäuse | schwarz schwarz braun |
| 2 | 1 | 18802.000.000 | AFS - Gehäuse Schieber Gehäuse | schwarz gelb |
| 2 | 2 | 18803.000.000 | AFS - Gehäuse Schieber Gehäuse | schwarz grün |
| 2 | 3 | 18804.000.000 | AFS - Gehäuse Schieber Gehäuse | schwarz blau |
| 2 | 4 | 18805.000.000 | AFS - Gehäuse Schieber Gehäuse | schwarz natur |
| 2 | 5 | 18806.000.000 | AFS - Gehäuse Schieber Gehäuse | schwarz rot |
| 2 | 6 | 18807.000.000 | AFS - Gehäuse Schieber Gehäuse | schwarz grau |
| Typ | Kodierung | Teile-Nr. | Bezeichnung | Farbe |

AFK / MFK

housing for receptacles
0.63 mm clock spring contact

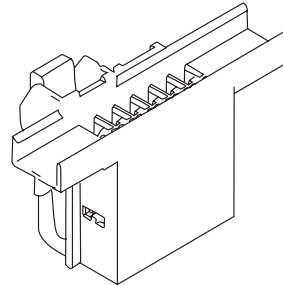
Type 1



AFK / MFK

Gehäuse für Flachkontakte
0.63 mm Wickelfederanschluß

Type 2



| Type | No. of ways | Part number | Specification | Material | Colour |
|------|-------------|---------------|---|---------------------------|---------------------------|
| 1 | 5 | 18641.000.000 | Flachkontaktgehäuse Schieber Flachkontaktgehäuse | PBT PBT | violett gelb |
| 1 | 5 | 18642.000.000 | Flachkontaktgehäuse Strombrücke Schieber Flachkontaktgehäuse | CrNi PBT PBT | schwarz gelb |
| 2 | 12 | 18715.000.000 | AFK 063 - Gehäuse Gehäuse Strombrücke Schieber Niederhalter | PBT CrNi PBT PBT | orange violett gelb |
| Typ | Polzahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

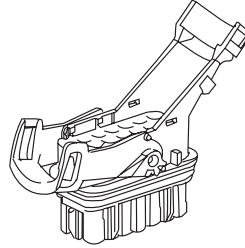
AFK PLUS

Busings with corrugated tubes connection
for receptacles with tab width 2.8mm

AFK PLUS

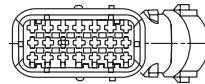
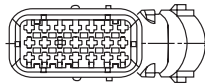
Gehäuse mit Wellrohranschluß
für Flachkontakte mit Steckerbreite 2,8mm

Type 1



1

2



| Type | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|--------------|-----------|---------------|---|------------------|---------------------------|
| 1 | 21 | 1 | 18756.050.000 | AFK PLUS - Gehäuse Gehäuse Dichtung Wellrohr | PBT MQ PBT | schwarz rot schwarz |
| 1 | 21 | 1 | 18756.054.000 | AFK PLUS - Gehäuse Gehäuse Dichtung Wellrohr | PBT MQ PBT | grün rot schwarz |
| 1 | 21 | 1 | 18756.062.000 | AFK PLUS - Gehäuse Gehäuse Dichtung Wellrohr | PBT MQ PBT | grau rot schwarz |
| 1 | 21 | 1 | 18756.067.000 | AFK PLUS - Gehäuse Gehäuse Dichtung Wellrohr | PBT MQ PBT | blau rot schwarz |
| 1 | 21 | 2 | 18757.050.000 | AFK PLUS - Gehäuse Gehäuse Dichtung Wellrohr | PBT MQ PBT | schwarz rot schwarz |
| 1 | 21 | 2 | 18757.062.000 | AFK PLUS - Gehäuse Gehäuse Dichtung Wellrohr | PBT MQ PBT | grau rot schwarz |
| 1 | 21 | 2 | 18757.067.000 | AFK PLUS - Gehäuse Gehäuse Dichtung Wellrohr | PBT MQ PBT | blau rot schwarz |
| Typ | Pol- zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

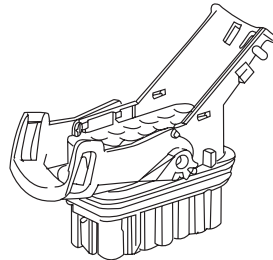
AFK PLUS

busings with corrugated tubes connection
for receptacles with tab width 2.8mm

AFK PLUS

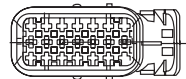
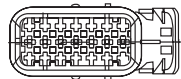
Gehäuse mit Wellrohranschluß
für Flachkontakte mit Steckerbreite 28mm

Type 1



1

2



| Type | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|-------------|-----------|---------------|---|------------------|---------------------------|
| 1 | 21 | 1 | 18655.000.000 | AFK PLB - Gehäuse Gehäuse Dichtung Label | PBT MQ PBT | schwarz rot schwarz |
| 1 | 21 | 2 | 18656.000.000 | AFK PLB - Gehäuse Gehäuse Dichtung Label | PBT MQ PBT | schwarz rot schwarz |
| Typ | Pol-zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

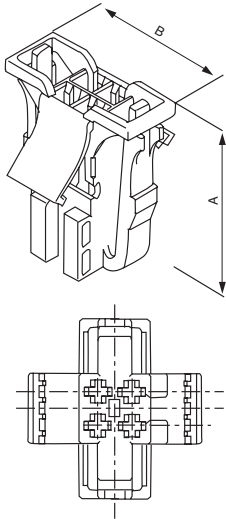
AFK

busings for receptacles
tab width 1.5 mm

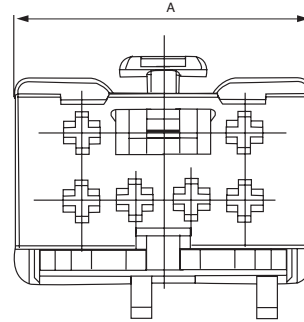
AFK

Gehäuse für Flachkontakte
Steckerbreite 15 mm

Type 1



Type 2



| Type | No. of ways | A | B | Part number | Specification | Material | Colour |
|------|-------------|------|------|---------------|---------------|-----------|-------------|
| 1 | 4 | 25 | 21.4 | 13823.600.699 | AFK - Gehäuse | PBT | tiefschwarz |
| 2 | 6 | 21.9 | | 18716.000.000 | AFK - Gehäuse | PBT | violett |
| 2 | 6 | 21.9 | | 18717.000.000 | AFK - Gehäuse | PBT | braun |
| 2 | 6 | 21.9 | | 18718.000.000 | AFK - Gehäuse | PBT | rot |
| 2 | 6 | 21.9 | | 18719.000.000 | AFK - Gehäuse | PBT | blau |
| 2 | 6 | 21.9 | | 18720.000.000 | AFK - Gehäuse | PBT | grün |
| 2 | 6 | 21.9 | | 18721.000.000 | AFK - Gehäuse | PBT | weiß |
| Typ | Polzahl | A | B | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

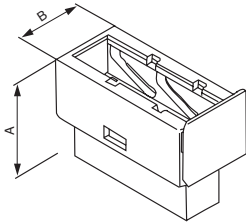
AFS

busings for receptacles
tab width 1.5 / 2.8mm

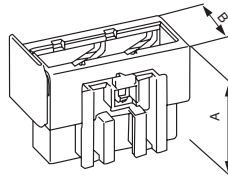
AFS

Gehäuse für Flachkontakte
Steckerbreite 15 / 28mm

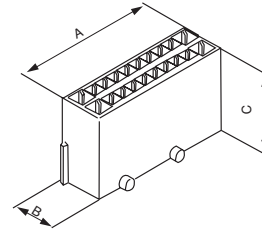
Type 1



Type 2



Type 3



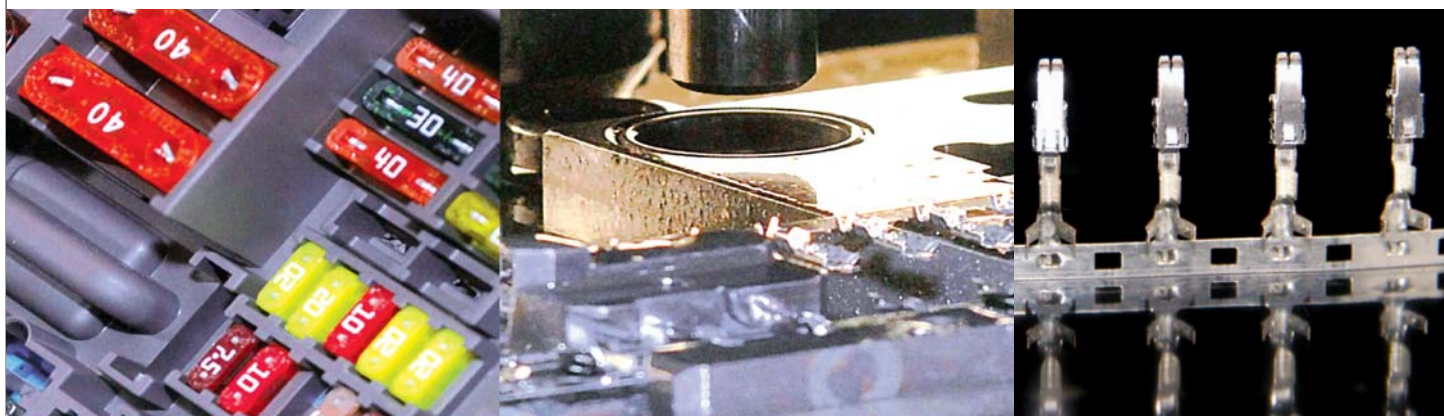
| Type | No. of ways | A | B | C | Part number | Specification | Material |
|------|-------------|----|------|----|---------------|---------------|-----------|
| 1 | 20 | 31 | 20.7 | | 18665.000.000 | AFS - Gehäuse | |
| 2 | 20 | 31 | 20.7 | | 18663.000.000 | AFS - Gehäuse | |
| 3 | 20 | 39 | 12 | 23 | 13262.601.695 | AFK - Gehäuse | PBT-GF |
| Typ | Pol-zahl | A | B | C | Teile-Nr. | Bezeichnung | Werkstoff |

MDK

Leaf Spring Connector Systems
2.84.8mm

MDK

Miniaturdoppelflachfedersysteme
2.84.8mm



MDK

Leaf spring connector systems (2.8 / 4.8 mm x 0.8 mm)

The **MDK** systems are designed for single-way and multi-way connectors with straight terminals. It is used in the automotive industry, domestic appliance industry and in industrial electronics.

Characteristics

- low insertion and withdrawal forces
- high terminal density
- high contact stability at high ambient temperatures
- increased current rating resulting from stainless steel spring

Use

- for connection to components
- as a solder connection
- as a combined connector system with DFK and MFK terminals
- for splash-proof applications with seals for single wires and housings or with fluid pining compound

Terminals

MDK 3

- with external stainless steel spring
- with one or two locking latches
- secondary locking is possible
- wire processing with integrated housing assembly

MDK 3 solder version

- with external stainless steel spring without stainless steel spring
- with two locking latches, without locking latch, with one locking latch on request
- for 1.5 - 2 mm printed circuit board
- for soldering hole diameter min. 1.4 mm

MDK 3 PLUS

- with external stainless steel spring
- with two locking latches, with one locking latch on request
- the insulation claw is designed to accommodate single wire seals

Housings

Design details of the housings for a high operating safety:

- secondary locking
- keying
- hinged cover
- seals

MDK

Miniaturdoppelflachfedersysteme (2,8 / 4,8 mm x 0,8 mm)

Die **MDK** Systeme sind für ein- und mehrpolige Steckverbindungen mit geradem Leiteranschluß konstruiert. Die Anwendung erfolgt in der Kfz-industrie, der Ausgeräteindustrie und der Industrie-elektronik.

Eigenschaften

- geringe Aufsteck- und Abziehkräfte
- hohe Kontaktdichte
- große Kontaktsicherheit bei hohen Umgebungstemperaturen
- erhöhte Strombelastbarkeit durch den Einsatz von Stahlfedern

Einsatz

- zum Stecken auf Bauteile
- als Lötverbindung
- als kombiniertes Steckverbindungssystem mit DFK und MFK Kontakten
- für spritzwassergeschützte Anwendungen mit Dichtungen für Einzelleitungen und Gehäuse oder mit Dichtmasse zum Vergießen

Kontakte

MDK 3

- mit außenliegender Stahlfeder
- wahlweise mit ein oder zwei Rastarmen
- Sekundärverriegelungen möglich
- Leitungsbearbeitung mit integrierter Gehäusebestückung

MDK 3 mit Lötanschluß

- mit außenliegender Stahlfeder, ohne Stahlfeder
- mit zwei Rastarmen, ohne Rastarm, mit einem Rastarm auf Anfrage
- für Leiterplatten 1,5 bis 2 mm
- für Lochdurchmesser min. 1,4 mm

MDK 3 PLUS

- mit außenliegender Stahlfeder
- mit zwei Rastarmen, mit einem Rastarm auf Anfrage
- die Isolierungshalterung ist zur Aufnahme von Seals ausgelegt

Gehäuse

Konstruktive Details der Gehäuse für eine hohe Betriebssicherheit:

- Zusatzverriegelungen
- Kodierungen
- Klappdeckel
- Dichtungselemente

MDK

Delivery form

Terminals

- single form for hand crimping tools, crimping units
- chain form for semi-automatic and fully-automatic machines

Busings

- loose in standard packs
- bandolier form for fully-automatic processing

MDK

Lieferform

Kontakte

- Einzelform für Handcrimpwerkzeuge, Crimpgeräte
- Bandform für Halb- und Vollautomaten

Gehäuse

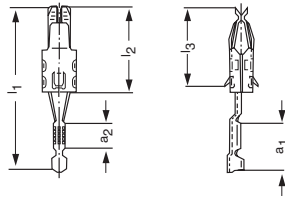
- lose in Standardverpackungen
- gegurtet für die vollautomatische Verarbeitung

| Technical Data | | Technische Daten |
|--|--------------|---|
| MDK 1 | | MDK 1 |
| Wire cross section | 0,1 - 25 qmm | Leiternennquerschnitt |
| For tabs according to | DN 46244 | Für Flachstecker gemäß |
| Tab width | 2,8mm | Steckerbreite |
| max tab thickness | 0,8 mm | max Steckerdicke |
| Insertion and withdrawal force, approx | 6 N | Aufsteck- und Abziehungskraft, ca. |
| Contact back-out force | ≥ 50 N | Ausreißkraft aus dem Gehäuse |
| Material thickness | 0,3 mm | Materialdicke |
| Stainless steel spring | | Stahlfeder |
| Pitch (smaller pitches on request) | 5 x 6 mm | Raster (kleinere Rastermaße auf Anfrage) |

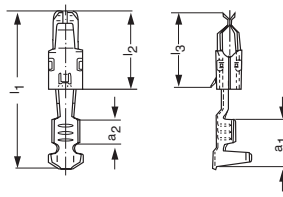
MDK 3

MDK 3

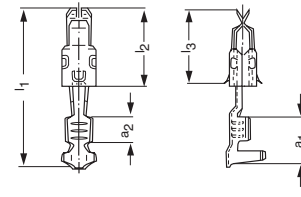
Type 1



Type 2



Type 3



Type 1: double locking latch
Typ 1: zwei Rastarme

Type 2: single locking latch
Typ 2: ein Rastarm

Type 3: double locking latch
Typ 3: zwei Rastarme

| Type | Wire cross section qmm | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Steel spring | Form E single Behain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------------|---------------|--------------|------|------|------|----|-----|--------------------|--------------|----------------------|---------------|---------------|------------|----------------|-----------|
| 3 | 0.3 - 0.6 | max1.6 | 0.8 | 2.8 | 5.70 | 3.20 | 1900 | 99 | 940 | 0.30 | X | B | 26186.213.178 | CuSn | Sn | NQ | |
| | | | | 4.8 | | | | | | | | | B | 26186.331.179 | CuFe2P | Sn | |
| 3 | 0.5 - 1.0 | | 0.8 | 2.8 | 5.70 | 3.20 | 1900 | 99 | 940 | 0.30 | X | B | 26187.123.178 | CuSn | Sn | NQ | |
| | | | | 4.8 | | | | | | | | B | 26187.213.178 | CuSn | Sn | | |
| | | | | | | | | | | | | B | 26187.331.179 | CuFe2P | Sn | | |
| 3 | 1.5 - 2.5 | | 0.8 | 2.8 | 5.70 | 3.20 | 1900 | 99 | 940 | 0.30 | X | B | 26189.213.178 | CuSn | Sn | NQ | |
| | | | | 4.8 | | | | | | | | B | 26189.331.179 | CuFe2P | Sn | | |
| 2 | 0.3 - 0.6 | max1.6 | 0.8 | 2.8 | 5.70 | 3.20 | 1900 | 99 | 940 | 0.30 | X | B | 26190.331.179 | CuFe2P | Sn | NQ | |
| 1 | 0.03 - 0.09 | 0.35 - 0.76 | 0.8 | 2.8 | 5.70 | 3.20 | 1900 | 99 | 940 | 0.30 | X | B | 26196.213.178 | CuSn | Sn | NQ | *1 |
| 3 | 0.5 - 1.0 | | 0.8 | 2.8 | 5.70 | 3.20 | 1900 | 99 | 940 | 0.30 | X | B | 26387.213.009 | CuSn | | NQ | *1 |
| Typ | Nenn-ger-schnitt qmm | Isol.-Ø | Steck-dicke | Steck-breite | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Stahl-feder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Wrb.-vor-schub | Fuß-note |

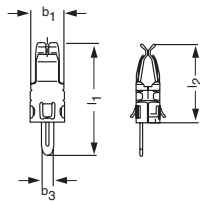
*1 Reduced insertion force

*1 Steckkraftreduziert

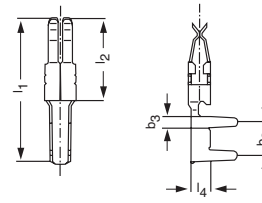
MDK 3

MDK 3

Type 1



Type 2

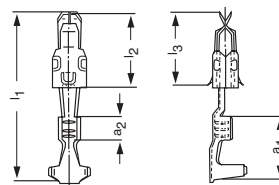


| Type | Tab thickness | Tab width | b1 | b2 | b3 | l1 | l2 | l4 | Material thickness | Steel spring | Form E Single Behain | Part number | Material | Surface |
|------|---------------|-------------|------|------|------|-------|-------|------|--------------------|--------------|----------------------|---------------|-----------|------------|
| 1 | 0.8 | 2.8 4.8 | 4.00 | | 1.40 | 14.10 | 10.00 | | 0.30 | X | E | 06285.201.179 | CuSn | Sn |
| 2 | 0.8 | 2.8 4.8 | | 3.75 | 1.20 | 15.65 | 9.80 | 3.00 | 0.30 | | E | 06845.201.179 | CuSn | Sn |
| Typ | Steckdicke | Steckbreite | b1 | b2 | b3 | l1 | l2 | l4 | Mat-dicke | Stahlfeder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche |

MDK 3 PLUS

MDK 3 PLUS

Type 1



| Type | Wire cross section sqmm | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Steel spring | Form E Single Behain | Part number | Material | Surface | Terminal feed |
|------|-------------------------|---------------------|---------------|-------------|------|------|-------|----|-----|--------------------|--------------|----------------------|--------------------------------|------------------|------------|-----------------|
| 1 | 0.5 - 1.0 | 2.0 - 2.7 | 0.8 | 2.8 4.8 | 7.50 | 3.20 | 21.00 | 9 | 9.0 | 0.30 | X | B | 26402.213.178 | CuSn | Sn | NQ |
| 1 | 1.5 - 2.5 | 2.7 - 3.0 | 0.8 | 2.8 4.8 | 7.50 | 3.20 | 21.00 | 9 | 9.0 | 0.30 | X | B | 26405.213.178 | CuSn | Sn | NQ |
| 1 | 1.5 - 2.5 | 2.7 - 3.0 | 0.8 | 2.8 4.8 | 7.50 | 3.20 | 21.00 | 9 | 9.0 | 0.30 | X | B | 26627.331.179 26627.331.710 | CuFe2P CuFe2P | Sn Ag | NQ |
| 1 | 0.5 - 1.0 | 2.0 - 2.7 | 0.8 | 2.8 4.8 | 7.50 | 3.20 | 21.00 | 9 | 9.0 | 0.30 | X | B | 26628.331.179 26628.331.710 | CuFe2P CuFe2P | Sn Ag | NQ |
| Typ | Nennquerschnitt qmm | Isol.-Ø | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | l3 | Mat-dicke | Stahlfeder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

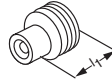
MDK

MDK

Single wire seals and cavity plugs for MDK 3 PLUS cavities

Seals (Einzelleitungsdichtungen) und Blindstopfen für MDK 3 PLUS Gehäusekammern

Type 1



| Type | Insulation diameter | Wire diameter | l1 | Part Number | Specification | Material | Colour | Foot-note |
|------|---------------------|---------------|-----|--------------------------------|--|-----------|--------------------------|-----------|
| 1 | 1.2 - 2.1 | 5.15 | 7.5 | 16276.627.642 | Einzelleitungsdichtung | MQ | enzianblau | *1 |
| 1 | 1.2 - 2.1 | 5.15 | 7.5 | 16695.627.619 16695.627.642 | Einzelleitungsdichtung Einzelleitungsdichtung | MQ MQ | reinorange enzianblau | |
| 1 | 1.9 3 | 5.15 | 7.5 | 16260.627.626 | Einzelleitungsdichtung | MQ | rotbraun | *1 |
| 1 | 1.9 3 | 5.15 | 7.5 | 16694.627.626 | Einzelleitungsdichtung | MQ | rotbraun | |
| Typ | Bohr.- Ø | Bohr.- Ø | l1 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

*1 Safety part

*1 Dokumentationspflichtiges Teil

Seal Determination for the contacts and wire

Zuordnung der Seals zu Kontakten und Leitungen

The choice of seals depends on the thickness of the wire insulation (e.g. according to DN 72551, part 6).

Die Wahl des Seals hängt von der Dicke der Isolierhülle der Leitungen ab (z.B. gemäß DN 72551, Teil 6).

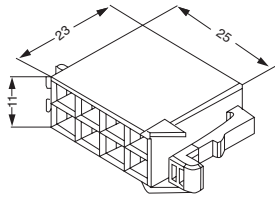
| Wire diameter | Wire diameter mm | Wire cross section qm | Type of lead | Part number | Foot-note | Terminal |
|---------------------------|------------------|-----------------------|--------------|---------------|-----------|---------------|
| 5.15 | 1.2 - 2.1 | 0.22 - 0.38 | FLY | 16695.627.619 | | MDK 3 PLB |
| | | 0.35 - 1.0 | FLRY | 16695.627.642 | | MDK 4 PLB |
| | 1.9 3.0 | 0.5 - 1.5 | FLY | 16276.627.642 | *1 | MDK 5 PLB |
| | | 1.5 - 2.5 | FLRY | 16694.627.626 | | |
| | | | | 16260.627.626 | *1 | |
| Bohr.-Ø der Gehäusekammer | Leitungs-Ø mm | Nennquerschnitt qm | Leit.-art | Teile-Nr. | Fuß-note | Wahlbindertyp |

*1 Safety part

*1 Dokumentationspflichtiges Teil

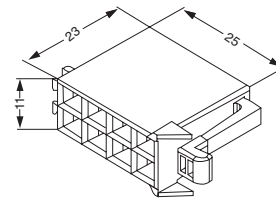
MDK 3

Type 1



MDK 3

Type 2

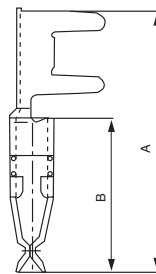


| Type | No. of ways | Part number | Specification | Material | Colour | Foot-note |
|------|-------------|---------------|-----------------|-----------|-------------|-----------|
| 1 | 8 | 14070.559.668 | MDK 3 - Gehäuse | PA66 | silbergrau | *1 |
| 2 | 8 | 14170.559.699 | MDK 3 - Gehäuse | PA66 | tiefschwarz | *2 |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

*1 Symmetrical locking
*2 Asymmetrical locking

*1 Symmetrische Rastung
*2 Asymmetrische Rastung

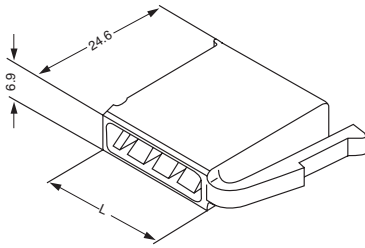
Type 1



| Type | A | B | Part number | Specification | Material | Surface |
|------|-------|---|---------------|----------------------|-----------|------------|
| 1 | 15.65 | Ø | 26845.201.179 | MDK 3 - Flachkontakt | CuSn | Sn |
| Typ | A | B | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

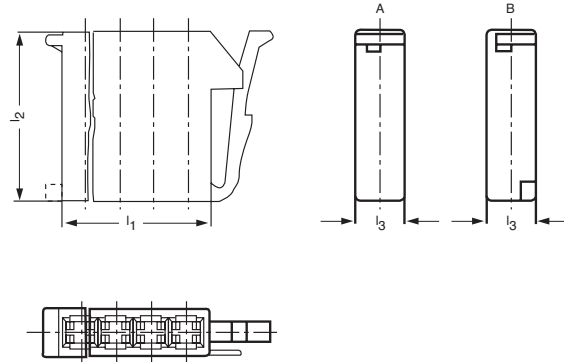
MDK 3

Type 1



MDK 3

Type 2

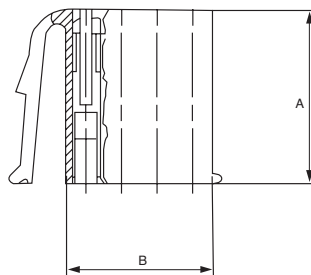


| Type | No. of ways | L | I1 | I2 | I3 | Keying | Part number | Specification | Material | Colour | Foot-note |
|------|-------------|-------|-------|-------|-----|-----------|---------------|-----------------|-----------|-------------|-----------|
| 1 | 2 | 11.00 | | | | | 16300.562.699 | MDK 3 - Gehäuse | PA66 | tiefschwarz | |
| 1 | 3 | 16.00 | | | | | 16301.562.699 | MDK 3 - Gehäuse | PA66 | tiefschwarz | |
| 1 | 2 | 11.00 | | | | | 16349.562.699 | MDK 3 - Gehäuse | PA66 | tiefschwarz | *1 |
| 2 | 4 | | 21.70 | 24.60 | 6.9 | B | 16568.577.621 | MDK 3 - Gehäuse | PA66PE | feuerrot | |
| 2 | 5 | | 26.70 | 24.60 | 6.9 | A | 16569.577.699 | MDK 3 - Gehäuse | PA66PE | tiefschwarz | |
| 2 | 7 | | 36.70 | 24.60 | 6.9 | A | 16570.577.699 | MDK 3 - Gehäuse | PA66PE | tiefschwarz | |
| 1 | 3 | 16.00 | | | | | 16573.562.699 | MDK 3 - Gehäuse | PA66 | tiefschwarz | *1 |
| 1 | 2 | 11.00 | | | | | 16779.562.699 | MDK 3 - Gehäuse | PA66 | tiefschwarz | *1 |
| Typ | Pol-zahl | L | I1 | I2 | I3 | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

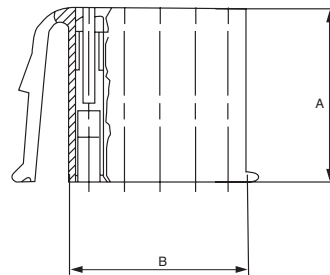
*1 Neutral type

*1 Neutrale Ausführung

Type 1



Type 2

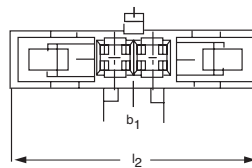
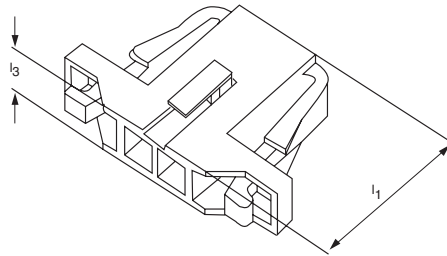


| Type | No. of ways | A | B | Part number | Specification | Material | Colour |
|------|-------------|------|----|---------------|-----------------|-----------|---------|
| 2 | 5 | 24.6 | 26 | 16764.562.699 | MDK 3 - Gehäuse | PA66 | schwarz |
| 1 | 4 | 24.6 | 21 | 13427.201.179 | MDK 3 - Gehäuse | PA66 | schwarz |
| Typ | Pol-zahl | A | B | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

MDK 3

MDK 3

Type 1



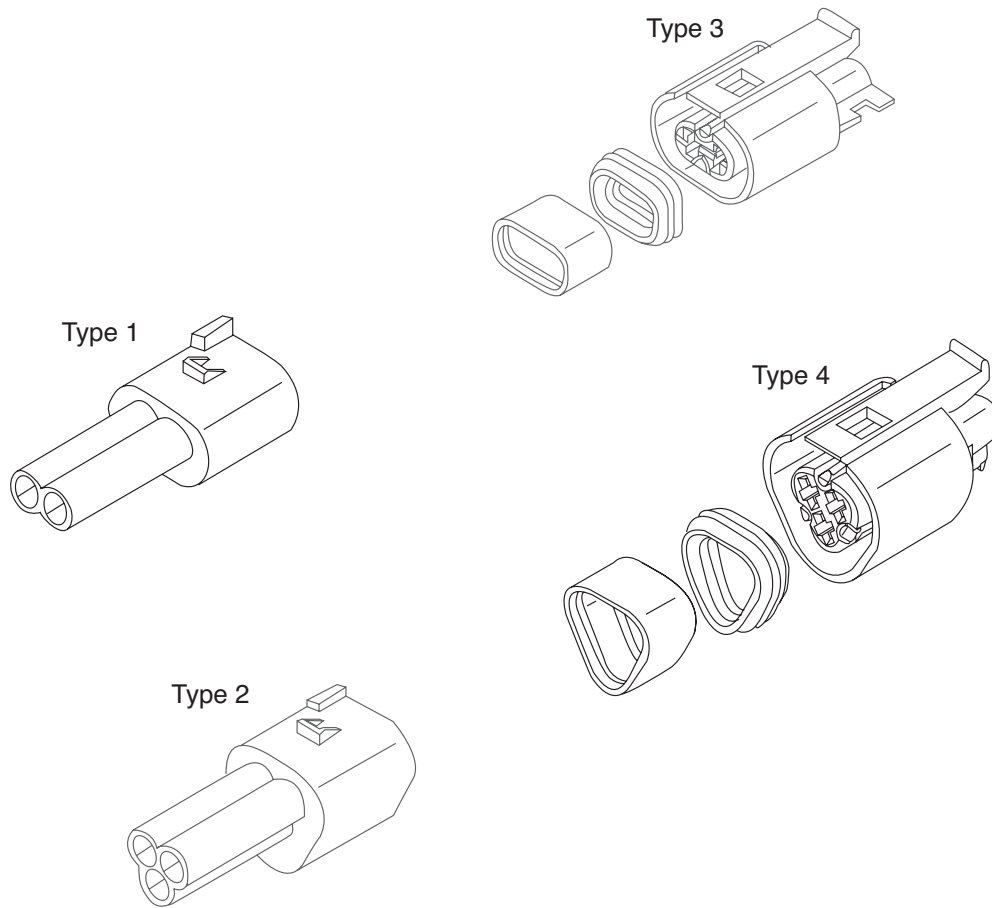
| Type | No. of ways | b1 | l1 | l2 | l3 | Part number | Specification | Material | Colour |
|------|--------------|-------|------|-------|------|---------------|---|-------------|-------------------------------|
| 1 | 2 | 12.00 | 22.8 | 33.00 | 7.45 | 18096.000.000 | MDK 3 - Gehäuse Øfrigelungsschieber Gehäuse | PA PA-PE | verkehrspurpur tiefschwarz |
| 1 | 2 | 80 | 22.8 | 33.00 | 7.45 | 18097.000.000 | MDK 3 - Gehäuse Øfrigelungsschieber Gehäuse | PA PA-PE | verkehrspurpur reinweiß |
| Typ | Pol- zahl | b1 | l1 | l2 | l3 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

MDK 3 PLUS

Coupling for tabs 2.8mm PLS

MDK 3 PLUS

Kupplung für Flachstecker 28mm PLS



| Type | No. of ways | Part number | Specification | Material | Colour | Part of | Foot-note |
|------|-------------|---------------|----------------------------|-----------|-------------|---------|-----------|
| 1 | 2 | 14546.631.696 | Flachstecker 28PLS-Gehäuse | PA666-GF | tiefschwarz | | *1 |
| 1 | 2 | 16518.631.696 | Flachstecker 28PLS-Gehäuse | PA666-GF | tiefschwarz | 17217 | *2 |
| 2 | 3 | 16698.631.696 | Flachstecker 28PLS-Gehäuse | PA666-GF | tiefschwarz | 17218 | |
| 3 | 2 | 17217.000.000 | MDK 3 PLS - Gehäuse | | | 16518 | |
| 4 | 3 | 17218.000.000 | MDK 3 PLS - Gehäuse | | | 1669 | |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehä | Fuß-note |

*1 With latch for connecting convoluted tube
 *2 Without latch

*1 Mit Kragen zum Anschluß von Wellrohr
 *2 ohne Kragen

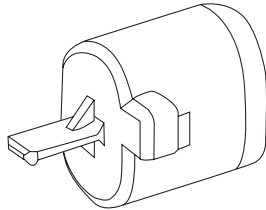
MDK 3 PLUS

Cover and protection cap for servicing

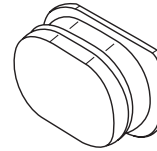
MDK 3 PLUS

Deckel und Schutzkappe für Service

Type 1



Type 2



| Type | Part number | Specification | Material | Colour | Foot-note |
|------|---------------|---------------|-----------|---------|-----------|
| 1 | 14109.551.501 | Schutzkappe | PE | natur | *1 |
| | 14109.616.699 | Schutzkappe | PA66-GF | schwarz | |
| 2 | 14110.551.501 | Deckel | PE | natur | *2 |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

*1 Cap for part-no. 16518

*2 Cover for part-no. 17217

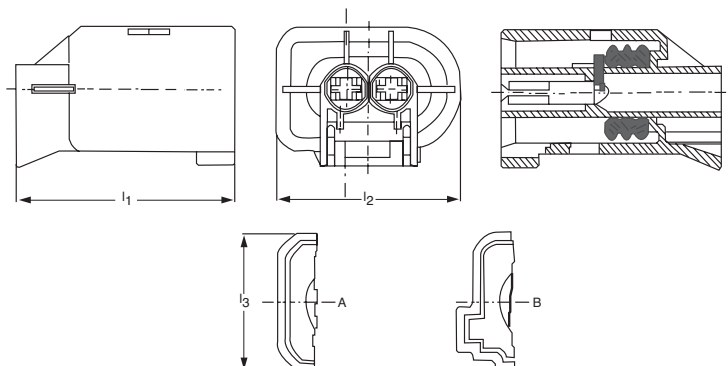
*1 Schutzkappe für Teile-Nr. 16518

*2 Deckel für Teile-Nr. 17217

MDK 3 PLUS

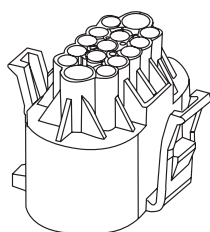
MDK 3 PLUS

Type 1

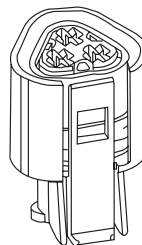


| Type | No. of ways | l1 | l2 | l3 | Keying | Part number | Specification | Material | Colour |
|------|-------------|------|-------|------|-----------|---------------|---|------------------|---|
| 1 | 2 | 2960 | 25.00 | 1900 | A | 18139.000.000 | MDK 3 PLB - Gehäuse Verriegelungsschieber Dichtung Gehäuse | PBT MQ PBT | tiefschwarz pastellorange tiefschwarz |
| 1 | 2 | 2960 | 25.00 | 1900 | B | 18140.000.000 | MDK 3 PLB - Gehäuse Verriegelungsschieber Dichtung Gehäuse | PBT MQ PBT | kieselgrau pastellorange tiefschwarz |
| Typ | Pol-zahl | l1 | l2 | l3 | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Type 1



Type 2



| Type | No. of ways | Part number | Specification | Material | Colour |
|------|-------------|---------------|---|----------------|---------------------------|
| 1 | 15 | 17749.000.000 | MFK /MDK 3 PLB | PA | schwarz |
| 2 | 3 | 18613.000.001 | MDK 3 Plus - Gehäuse Sicherungsring Dichtung Gehäuse | PA MQ PA | schwarz rot schwarz |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

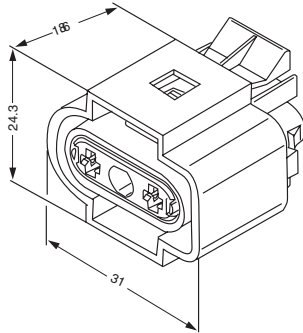
MDK 3 PLUS

Coupling for tabs 2.8mm PLS

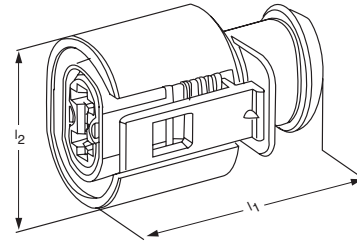
MDK 3 PLUS

Kupplung für Flachstecker 2,8mm PLS

Type 1



Type 2



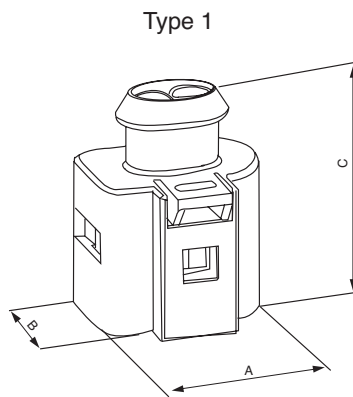
| Type | No. of ways | I1 | I2 | Part number | Specification | Material | Colour | Foot-note |
|------------|-----------------|-----------|-----------|----------------------|---|--------------------|---|-----------------|
| 1 | 2 | | | 17396.050.000 | MDK 3 PLS - Gehäuse Feder Dichtung Gehäuse Sicherungsring | PBT MQ PBT | tiefschwarz reinorange tiefschwarz | |
| 2 | 2 | 34.00 | 23.10 | 18137.000.000 | MDK 3 PLS - Gehäuse Gehäuse Sicherungsring Dichtung | PBT PA-PE MQ | tiefschwarz tiefschwarz korallenrot | |
| 2 | | 34.00 | 23.10 | 18162.000.000 | Schutzgehäuse Gehäuse Sicherungsring Dichtung | PBT PA-PE MQ | tiefschwarz tiefschwarz korallenrot | *1 |
| Typ | Pol-zahl | I1 | I2 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

*1 Protective housings without contacts

*1 Schutzgehäuse ohne Kontakte

MDK 5 PLUS

MDK 5 PLUS



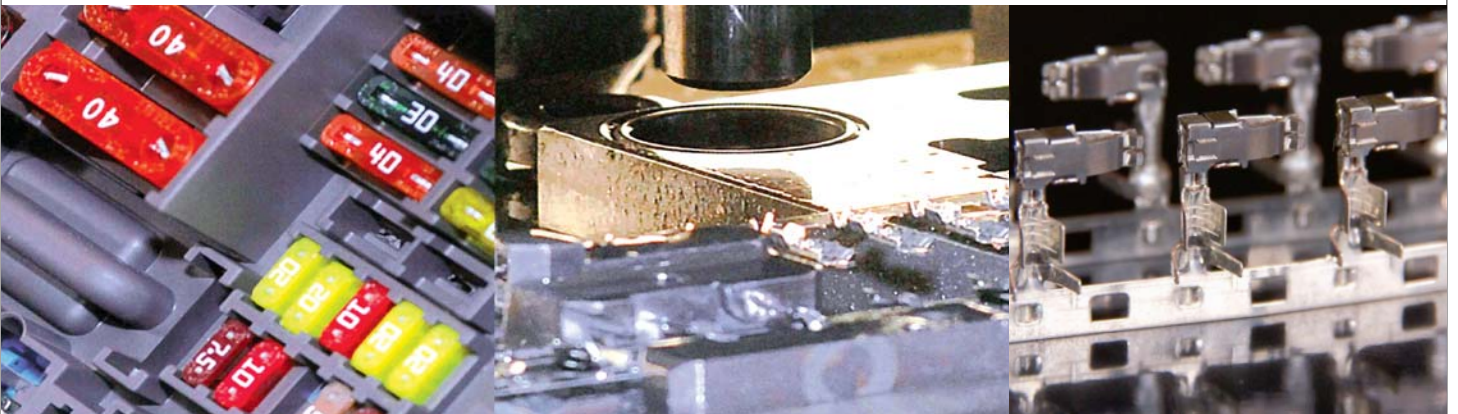
| Type | No. of ways | A | B | C | Part number | Specification | Material | Colour |
|------|-------------|----|------|----|---------------|--|-------------------|------------------------------|
| 1 | 2 | 25 | 17.1 | 33 | 18255.050.000 | MDK 5 PLUS - Gehäuse Verriegelungsschieber Dichtung Gehäuse | PBT VMQ PBT | violett orange schwarz |
| Typ | Pot.-zahl | A | B | C | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

WDF

Angle Leaf Spring Connector Systems
2.84.8mm

WDF

Winkeldoppelflachfedersysteme
2.84.8mm



WDF

Angle leaf spring connector systems (2.8 / 4.8 mm x 0.8 mm)

The **WDF** systems are designed for single-way and multi-way connectors with angled terminals. They are used in the automotive industry, domestic appliance industry and in industrial electronics.

Characteristics

- low insertion and withdrawal force
- high terminal density
- high contact stability at high ambient temperatures
- increased current rating resulting from stainless steel springs

Use

- for connection to components

Terminals

WDF 1

- with stainless steel spring

WDF 1 solder version

- with stainless steel spring

WDF 2

- with external stainless steel spring
- with one or two locking latches

Housings

Design details of the housings for a high operating safety:

- secondary locking
- keying
- hinged cover

WDF

Winkeldoppelflachfedersysteme (2,8 / 4,8 mm x 0,8 mm)

Die **WDF** Systeme sind für ein- und mehrpolige Steckverbindungen mit gewinkelttem Leiteranschluß konstruiert. Die Anwendung erfolgt in der Kfz-Industrie, der Ausgeräteindustrie und der Industrielektronik.

Eigenschaften

- geringe Aufsteck- und Abziehungskraft
- hohe Kontaktdichte
- große Kontaktsicherheit bei hohen Umgebungstemperaturen
- erhöhte Strombelastbarkeit durch den Einsatz von Stahlfedern

Einsatz

- zum Stecken auf Bauteile

Kontakte

WDF 1

- mit Stahlfeder

WDF 1 Lötversion

- mit Stahlfeder

WDF 2

- mit außenliegender Stahlfeder
- wahlweise mit ein oder zwei Rastarmen

Gehäuse

Konstruktive Details der Gehäuse für eine hohe Betriebssicherheit:

- Zusatzverriegelung
- Kodierung
- Klappdeckel

WDF

Delivery form

Terminals

- chain form for semi-automatic and fully-automatic machines

Busings

- loose in standard packs

WDF

Lieferform

Kontakte

- Bandform für **ab**- und **bl**automaten

Gehäuse

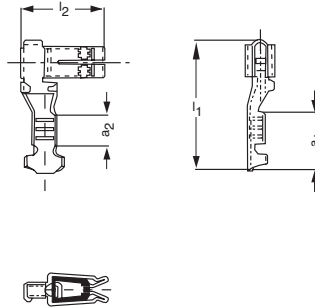
- lose in Standardverpackungen

| Technical Data | | Technische Daten |
|---|---------------------------------------|--|
| WDF 1 for tabs according to 2,80.8mm, 4,80.8mm and similar types Wire cross section Stainless steel spring Insertion and withdrawal force, approx | DN 46244 03 - 25 qm 6 N | WDF 1 für Flachstecker gemäß 2,80.8mm, 4,80.8mm und ähnliche Leitemennqerschnitt Stahlfeder Aufsteck - und Abziehkraft, ca. |

WDF 1

WDF 1

Type 1

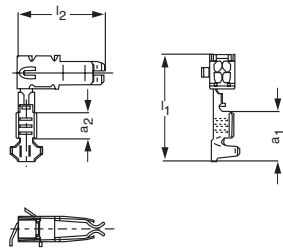


| Type | Wire cross section q_m | Tab thickness | Tab width | a1 | a2 | l1 | l2 | Material thickness | Steel spring | Form Einzel | Part number | Material | Surface | Terminal feed |
|------|--------------------------|---------------|--------------|------|------|-------|------|--------------------|--------------|----------------------|---------------|-----------|------------|----------------|
| 1 | 0.3 - 0.6 | 0.6 | 2.6 4.6 | 5.70 | 3.20 | 12.70 | 8.20 | 0.30 | X | B | 25669.123.178 | CuSn | Sn Sn | NQ |
| 1 | 0.75 - 1.5 | 0.6 | 2.6 4.6 | 5.70 | 3.20 | 12.70 | 8.20 | 0.30 | X | B | 25670.123.178 | CuSn | Sn | NQ |
| Typ | Nenn-ger-schnitt q_m | Steck-dicke | Steck-breite | a1 | a2 | l1 | l2 | Mat.-dicke | Stahl-feder | Form EE Einzel BBand | Teile-Nr. | Werkstoff | Oberfläche | Ø/b.-vor-schub |

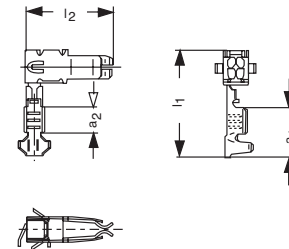
WDF 2

WDF 2

Type 1



Type 2



Type 1:single locking latch
Type 1:1 Rastarm

Type 2:double locking latch
Type 2:2 Rastarme

| Type | Wire cross section qm | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | l2 | Material thickness | Steel spring | Form E single Behain | Part number | Material | Surface | Terminal feed |
|------|--------------------------------|---------------------|-----------------|------------------|------|------|-------|----|--------------------|-----------------|--------------------------|---------------|-----------|------------|------------------------|
| 1 | 0.5 - 1.0 | | 0.8 | 2.8 4.8 | 5.70 | 3.20 | 12.50 | 9 | 0.30 | X | B | 26100.201.179 | CuSn | Sn | NQ |
| 1 | 1.5 - 2.5 | | 0.8 | 2.8 4.8 | 5.70 | 3.20 | 12.50 | 9 | 0.30 | X | B | 26102.201.179 | CuSn | Sn | NQ |
| 2 | 0.3 - 0.6 | max1.6 | 0.8 | 2.8 4.8 | 5.70 | 3.20 | 12.50 | 9 | 0.30 | X | B | 26103.163.009 | CuNiSn | | NQ |
| 2 | 0.5 - 1.0 | | 0.8 | 2.8 4.8 | 5.70 | 3.20 | 12.50 | 9 | 0.30 | X | B | 26104.201.179 | CuSn | Sn | NQ |
| 2 | 0.75 - 1.5 | | 0.8 | 2.8 4.8 | 5.70 | 3.20 | 12.50 | 9 | 0.30 | X | B | 26105.201.179 | CuSn | Sn | NQ |
| 2 | 1.5 - 2.5 | | 0.8 | 2.8 4.8 | 5.70 | 3.20 | 12.50 | 9 | 0.30 | X | B | 26106.201.179 | CuSn | Sn | NQ |
| Typ | Nenn- ger- schnitt qm | Isol.- Ø | Steck- dicke | Steck- breite | a1 | a2 | l1 | l2 | Mat- dicke | Stahl- feder | Form EEinzel BBand | Teile-Nr. | Werkstoff | Oberfläche | Öfb.- vor- schub |

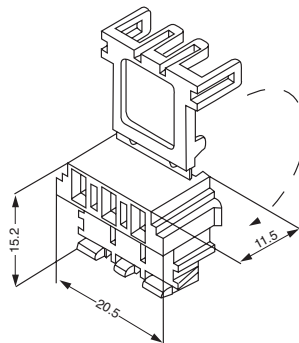
WDF 1

The described housing give you an idea of the product range of LEAR. Some of the applications have been tailored to the needs of our customers and are therefore not free available (please contact us).

WDF 1

Die dargestellten Gehäuse geben einen Einblick in das Lieferprogramm von LEAR. Einige Anwendungen sind speziell auf die Bedürfnisse des Kunden abgestimmt und daher nicht frei verfügbar (Klärung nach Rücksprache).

Type 1



| Type | No. of ways | Part number | Specification | Material | Colour | Foot-note |
|------|-------------|---------------|-----------------|-----------|-------------|-----------|
| 1 | 3 | 16880.562.699 | WDF 1 - Gehäuse | PA66 | tiefschwarz | *1 |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

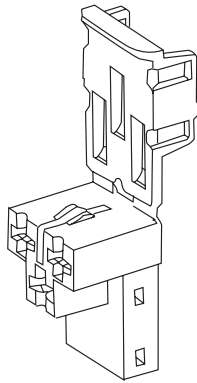
*1 For terminals with stainless steel spring

*1 Für Kontakte mit Stahlfeder

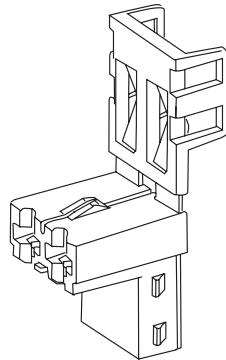
WDF 2

WDF 2

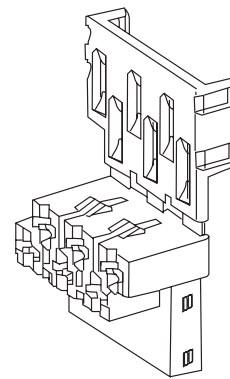
Type 1



Type 2



Type 3



| Type | No. of ways | Part number | Specification | Material | Colour |
|------|-------------|---------------|-----------------|-----------|-------------|
| 1 | 3 | 16149.562.699 | WDF 2 - Gehäuse | PA66 | tiefschwarz |
| 2 | 2 | 16448.562.699 | WDF 2 - Gehäuse | PA66 | tiefschwarz |
| 3 | 6 | 16449.562.699 | WDF 2 - Gehäuse | PA66 | tiefschwarz |
| Typ | Polzahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

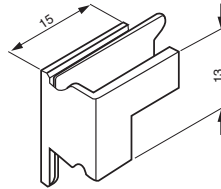
WDF 2

This series of housings is protected against mismatching by various keying plugs.

WDF 2

Die Gehäuse dieser Baureihe sind durch unterschiedlich angespritzte Kodierstege gegen Fehlstecken geschützt.

Type 1



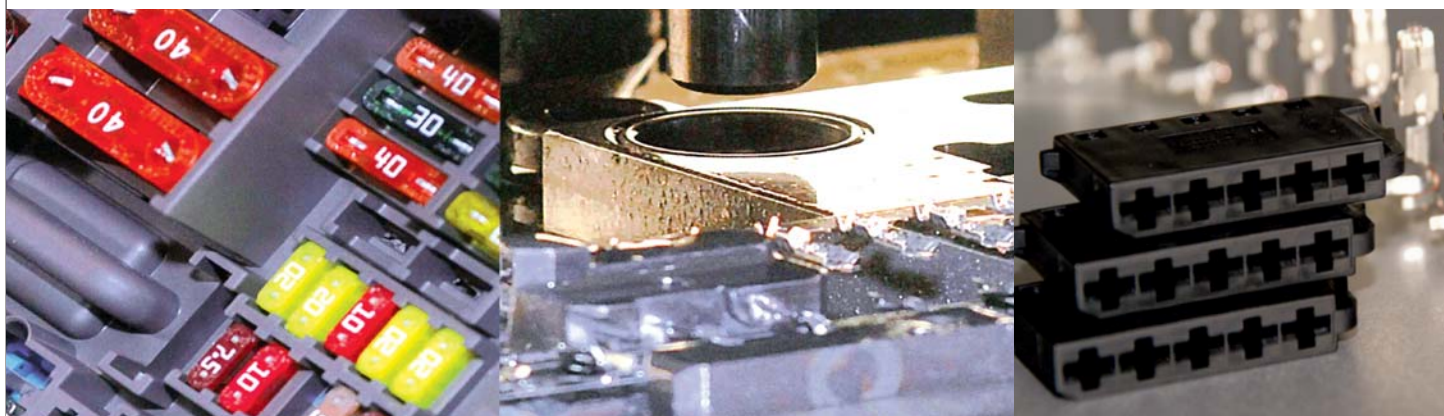
| Type | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|-------------|----------------|---------------|---------------|-----------|--------------|
| 1 | 2 | ohne Kodierung | 14111.568.699 | WDF 2-Gehäuse | PA66RE-GF | tielfschwarz |
| Typ | Polzahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

DFK

Leaf Spring Connector Systems
4.8 / 6.3 / 9.5 mm

DFK

Doppelflachfedersysteme
4,8 / 6,3 / 9,5 mm



DFK

Leaf spring connector systems (4.8 / 6.3 mm x 0.8 mm and 9.5 mm x 1.2 mm)

The **DFK** systems are designed for single-way and multi-way connectors with straight terminals. The terminals are used exclusively in conjunction with housings. It is used in the automotive industry, domestic appliance industry and in industrial electronics.

Characteristics

- low insertion and withdrawal force even for multi-way applications
- high terminal density
- high current rating up to max. 40 A and long service life thanks to the use of stainless steel springs
- high contact stability at high ambient temperatures
- the terminals can accommodate several leads in one crimping operation

Use

- for connection to components
- as a solder connection
- as a combined connector system with **DK** receptacles
- in RAST 5 housings for crimp terminals
- for splash-proof applications
- for multi-way couplings
- for high current rating **MXDFK**

DFK

Doppelflachfedersysteme (4,8 / 6,3 mm x 0,8 mm und 9,5 mm x 1,2 mm)

Die **DFK** Systeme sind für ein- und mehrpolige Steckverbindungen mit geradem Leiteranschluß konstruiert. Die Kontakte werden ausschließlich in Verbindung mit Gehäusen eingesetzt. Die Anwendung erfolgt in der Kfz-Industrie, der Hausgeräteindustrie und der Industrieelektronik.

Eigenschaften

- geringe Aufsteck- und Abziehkraft auch bei vielpoligen Anwendungen
- hohe Kontaktdichte
- hohe Strombelastbarkeit bis max. 40 A und lange Lebensdauer durch den Einsatz von Stahlfedern
- große Kontaktsicherheit bei hohen Umgebungstemperaturen
- die Kontakte können in einem Crimpvorgang mehrere Leitungen aufnehmen

Einsatz

- zum Stecken auf Bauteile
- als Lötverbindung
- als kombiniertes Steckverbindingssystem mit **DK** Flachkontakten
- in RAST 5 Gehäusen für Crimpkontakte
- für spritzwassergeschützte Anwendungen
- für mehrpolige Kupplungen
- für hohe Strombelastbarkeit **MXDFK**

DFK

DFK 3

- with external stainless steel spring
- with one or two locking latches

DFK 3 solder version

- with external stainless steel spring
- with 4 soldering posts
- for soldering hole diameter min. 1.3 mm

DFK 3 terminal for welding

- with external stainless steel spring
- primary locking with locking latches
- loose, with preflanged connection area for welding

DFK 3 - current bridge

- ready assembled with 2 to 9 DFK 3 solder terminals
- solder terminal attached to the carrier strip and soldered
- carrier strip with one crimp contact
- primary locking with locking latches

DFK 3 with additional tab connection

- with side exit for flat connector 4.8 / 6.3 mm x 0.8 mm
- e.g. for retrofitting of special types
- with external stainless steel spring
- with two locking latches

DFK 4

- with 90° turned crimp area
- with external stainless steel spring
- with two locking latches, with one locking latch on request

DFK

DFK 3

- mit außenliegender Stahlfeder
- wahlweise mit ein oder zwei Rastarmen

DFK 3 Lötversion

- mit außenliegender Stahlfeder
- mit 4 Lötzapfen
- für Lötlochdurchmesser min. 1,3 mm

DFK 3 Schweißkontakt

- mit außenliegender Stahlfeder
- Primärverriegelung über Rastarme
- als lose Ware mit bereits fertig gewinkeltem Schweißanschluß

DFK 3 Strombrücken

- mit 2 bis 9 DFK 3 Lötkontakten fertig bestückt
- Lötkontakte auf dem Trägerstreifen verstemmt und verflötet
- Trägerstreifen mit einem Crimpanschluß
- Primärverriegelung über Rastarme

DFK 3 mit zusätzlichem Flachsteckeranschluß

- mit seitlichem Abgang für Flachsteckhülsen 4,8 / 6,3 mm x 0,8 mm
- z.B. zum Nachrüsten von Sonderausstattungen
- mit außenliegender Stahlfeder
- mit zwei Rastarmen

DFK 4

- mit 90° gedrehtem Crimpbereich
- mit außenliegender Stahlfeder
- mit zwei Rastarmen, mit einem Rastarm auf Anfrage

DFK

DFK 4 PLUS

- with 90°turned crimp area
- with external stainless steel spring
- with two locking latches, with one locking latch on request
- the insulation claw is designed to accommodate single wire seals

DFK 40

- current rating up to 40 A at corresponding wire cross section
- with external stainless steel spring
- with two locking latches, with one locking latch on request

DFK 40 PLUS

- current rating up to 40 A at corresponding wire cross section
- with external stainless steel spring
- with two locking latches, with one locking latch on request
- the insulation claw is designed to accommodate single wire seals

MAXI-DFK

- tab width 9.5 mm
- with external stainless steel spring
- with two locking latches, with one locking latch on request
- guided housing insertion via two steel springs

Housings

Design details of the housings for high operating safety:

- secondary locking
- coding
- hinged cover

DFK

DFK 4 PLUS

- mit 90°gedrehtem Crimpbereich
- mit außenliegender Stahlfeder
- mit zwei Rastarmen, mit einem Rastarm auf Anfrage
- die Isolierungshalterung ist zur Aufnahme von Seals ausgelegt

DFK 40

- Strombelastbarkeit bis 40 A bei entsprechendem Leiternennquerschnitt
- mit außenliegender Stahlfeder
- mit zwei Rastarmen, mit einem Rastarm auf Anfrage

DFK 40 PLUS

- Strombelastbarkeit bis 40 A bei entsprechendem Leiternennquerschnitt
- mit außenliegender Stahlfeder
- mit zwei Rastarmen, mit einem Rastarm auf Anfrage
- die Isolierungshalterung ist zur Aufnahme von Seals ausgelegt

MAXI-DFK

- Steckbreite 9,5 mm
- mit außenliegender Stahlfeder
- mit zwei Rastarmen, mit einem Rastarm auf Anfrage
- geführtes Stecken ins Gehäuse durch seitliche Stahlfedern

Gehäuse

Konstruktive Details der Gehäuse für eine hohe Betriebssicherheit:

- Zusatzverriegelungen
- Kodierungen
- Klappdeckel

DFK

Delivery form

Terminals

- single form for hand crimping tools, crimping units
- chain form for semi-automatic and fully-automatic machines

Housings

- loose in standard packs

DFK

Lieferform

Kontakte

- Einzelform für Handcrimpwerkzeuge, Crimpgeräte
- Bandform für Halb- und Vollautomaten

Gehäuse

- lose in Standardverpackungen

DFK 3

DFK 3

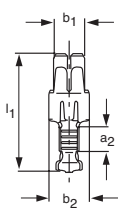
DFK 3 terminals with long stainless steel spring.
The stainless steel spring support the contact area.

DFK 3 Kontakte mit langer Stahlfeder.
Die Stahlfeder wirkt auf den Steckbereich.

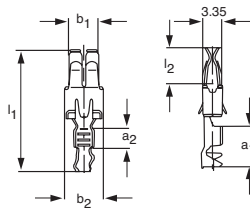
Type 1: with one locking latch
Type 2: with two locking latches

Typ1: mit 1 Rastarm
Typ 2: mit 2 Rastarmen

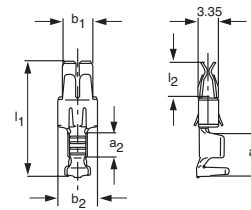
Type 1



Type 2



Type 3



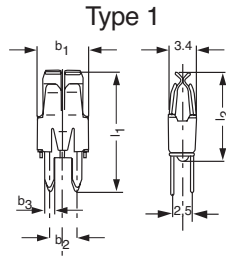
| Type | Wire cross section qmm | Insulation diameter | Tab thickness | Tab width | a1 | a2 | b1 | b2 | l1 | l2 | Material thickness | Steel spring | Form E Single Behain | Part number | Specification | Material | Surface | Terminal feed | Foot-note | |
|------|------------------------|---------------------|---------------|--------------|------|------|------|------|-------|-------|--------------------|--------------|----------------------|---------------|----------------------|----------------------|----------|-----------------|-----------|--|
| 3 | 2.5 - 4.0 | | 0.80 | 4.80 6.30 | 7.00 | 4.00 | 5.00 | 6.50 | 20.00 | 5.90 | 0.39 | X | B | 26222.201.179 | DFK 3 - Fk 4,8 | CuSn | Sn | NQ | 1 | |
| | | | | | | | | | | | | | | 26222.331.179 | DFK 3 - Fk 4,8 | CuFe2P | Sn | | 1 | |
| 3 | 1.5 - 2.5 | | 0.80 | 4.80 6.30 | 7.00 | 4.00 | 5.00 | 6.50 | 20.00 | 5.90 | 0.39 | X | B | 26231.201.418 | DFK 3 - Flachkontakt | CuSn | Ni / Sn | NQ | | |
| | | | | | | | | | | | | | | 26231.331.142 | DFK 3 - Flachkontakt | CuFe2P | Ag | | | |
| | | | | | | | | | | | | | | 26231.331.179 | DFK 3 - Flachkontakt | CuFe2P | Sn | | | |
| 3 | 4.00 - 6.00 | | 0.80 | 4.80 6.30 | 7.00 | 4.00 | 5.00 | 6.50 | 20.00 | 5.90 | 0.39 | X | B | 26233.331.142 | DFK 3 - Flachkontakt | CuFe2P | Ag | NQ | | |
| | | | | | | | | | | | | | | 26233.331.179 | DFK 3 - Flachkontakt | CuFe2P | Sn | | | |
| 1 | 2.5 - 4.0 | | 0.80 | 4.80 6.30 | 7.00 | 4.00 | 5.00 | 6.50 | 20.00 | 5.90 | 0.39 | X | B | 26239.331.142 | DFK 3 - Flachkontakt | CuFe2P | Sn | NQ | | |
| 2 | 0.3 - 0.6 | min 1.45 | 0.80 | 4.80 6.30 | 4.80 | 6.50 | 3.00 | 5.00 | 6.50 | 19.20 | 5.90 | 0.35 | X | B | 26246.201.179 | DFK 3 - Flachkontakt | CuSn | Sn | NQ | |
| 2 | 0.5 - 1.0 | min 1.45 | 0.80 | 4.80 6.30 | 6.50 | 3.00 | 5.00 | 6.50 | 19.20 | 5.90 | 0.35 | X | B | 26316.201.179 | DFK 3 - Flachkontakt | CuSn | Sn | NQ | 1 | |
| | | | | | | | | | | | | | | 26316.331.179 | DFK 3 - Flachkontakt | CuFe2P | Sn | | 1 | |
| 3 | 1.5 - 2.5 | | 0.80 | 4.80 6.30 | 7.00 | 4.00 | 5.00 | 6.50 | 20.00 | 5.90 | 0.39 | X | B | 26317.201.179 | DFK 3 - Flachkontakt | CuSn | Sn | NQ | 1 | |
| | | | | | | | | | | | | | | 26317.331.179 | DFK 3 - Flachkontakt | CuFe2P | Sn | | 1 | |
| 3 | 4.00 - 6.00 | | 0.80 | 4.80 6.30 | 7.00 | 4.00 | 5.00 | 6.50 | 20.00 | 5.90 | 0.39 | X | B | 26318.201.179 | DFK 3 - Flachkontakt | CuSn | Sn | NQ | 1 | |
| | | | | | | | | | | | | | | 26318.331.179 | DFK 3 - Flachkontakt | CuFe2P | Sn | | 1 | |
| 2 | 0.5 - 1.0 | min 1.45 | 0.80 | 4.80 6.30 | 6.50 | 3.00 | 5.00 | 6.50 | 19.20 | 5.90 | 0.35 | X | B | 26462.201.179 | DFK 3 - Flachkontakt | CuSn | Sn | NQ | | |
| | | | | | | | | | | | | | | 26462.331.142 | DFK 3 - Flachkontakt | CuFe2P | Ag | | | |
| 3 | 0.5 - 1.0 | | 0.80 | 4.80 6.30 | 7.00 | 4.00 | 5.00 | 6.50 | 20.00 | 5.90 | 0.39 | X | B | 26621.201.179 | DFK 3 - Flachkontakt | CuSn | Sn | NQ | | |
| Typ | Nenn-quer-schnitt qmm | Isol.-Ø | Steck-dicke | Steck-breite | a1 | a2 | b1 | b2 | l1 | l2 | M.-dicke | Stahl-feder | Form EE Einzel BBand | Teile-Nr. | Bezeichnung | Werkstoff | Grfläche | Verb.-vor-schub | Fuß-note | |

1 Reduced insertion force

1 Steckkraftreduziert

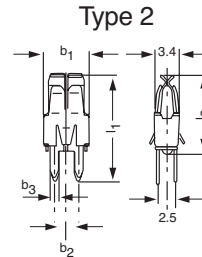
DFK 3

Solder version



DFK 3

Lötversion

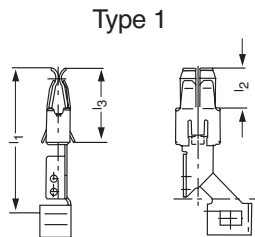


| Type | Tab thickness | Tab width | b1 | b2 | b3 | l1 | l2 | Material thickness | Steel spring | Form E=single B=chain | Part number | Specification | Material | Surface | Foot-note |
|------|---------------|--------------|------|------|------|-------|-------|--------------------|--------------|-----------------------|--|--|----------------|------------|-----------|
| 1 | 0.80 | 4.80 6.30 | 6.50 | 3.50 | 1.15 | 16.20 | 11.70 | 0.40 | X | E | 06029.201.179 06029.331.142 | DFK 3 - Flachkontakt DFK 3 - Flachkontakt | CuSn CuFe2P | Sn Ag | *1 *1 |
| 2 | 0.80 | 4.80 6.30 | 6.50 | 3.50 | 1.15 | 16.20 | 11.70 | 0.40 | X | E | 06282.331.142 | DFK 3 - Flachkontakt | CuFe2P | Ag | *1 |
| Typ | Steckdicke | Steckbreite | b1 | b2 | b3 | l1 | l2 | Mat-dicke | Stahlfeder | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Fußnote |

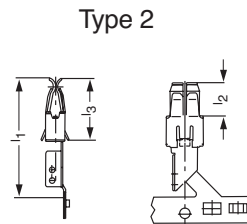
*1 Measure b3 with one soldering post 1.27

*1 Maß b3 bei einem Lötbein 1,27

Terminals for welding



Schweißkontakte



| Type | Tab thickness | Tab width | l1 | l2 | l3 | Material thickness | Steel spring | Form E=single B=chain | Part number | Specification | Material | Surface |
|------|---------------|-------------|-------|------|-------|--------------------|--------------|-----------------------|----------------------|----------------------|-----------|------------|
| 1 | 0.80 | 4.80 | 20.50 | 5.90 | 10.70 | 0.39 | X | E | 12755.331.179 | DFK 3 - Flachkontakt | CuFe2P | Sn |
| 2 | 0.80 | 4.80 | 20.50 | 5.90 | 10.70 | 0.39 | X | B | 26839.331.179 | DFK 3 - Flachkontakt | CuFe2P | Sn |
| Typ | Steckdicke | Steckbreite | l1 | l2 | l3 | Mat-dicke | Stahlfeder | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

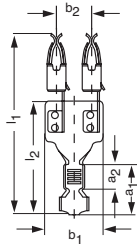
DFK 3

DFK 3

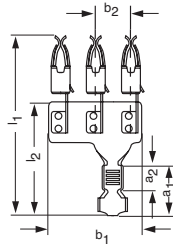
Current bridge

Strombrücke

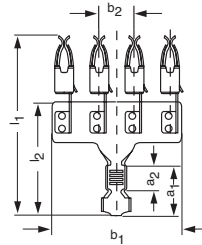
Type 1



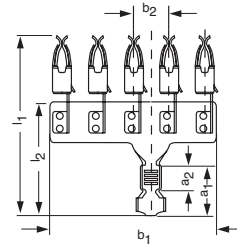
Type 2



Type 3

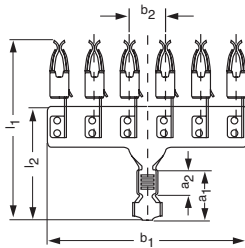


Type 4

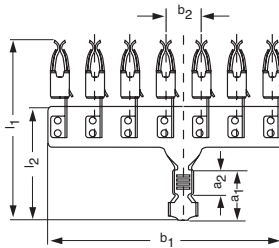


Die Darstellungen entsprechen nicht der Originalgröße!

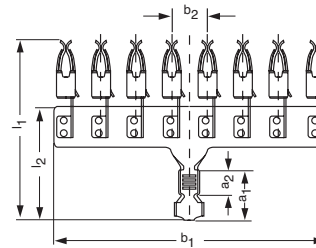
Type 5



Type 6



Type 7



| Type | Wire cross section qmm | Type of Lead | Tab thickness | Tab width | No. of ways | a1 | a2 | b1 | b2 | l1 | l2 | M ¹ material thickness | Steel spring | Form E single Behain | Part number | Terminal feed | Foot-note |
|------|------------------------|--------------|---------------|-------------|-------------|------|------|-------|------|-------|-------|-----------------------------------|--------------|----------------------|---------------|-----------------|-----------|
| 1 | 1.5 - 2.5 | FLR | 0.80 | 6.3 | 2 | 9.00 | 4.50 | 10.50 | 6.50 | 33.00 | 20.50 | 0.60 | X | B | 26875.000.001 | NQ | 1 |
| 2 | 1.5 - 2.5 | FLR | 0.80 | 6.3 | 3 | 9.00 | 4.50 | 17.00 | 6.50 | 33.00 | 20.50 | 0.60 | X | B | 26876.000.001 | NQ | 1 |
| 3 | 1.5 - 2.5 | FLR | 0.80 | 6.3 | 4 | 9.00 | 4.50 | 23.50 | 6.50 | 33.00 | 20.50 | 0.60 | X | B | 26877.000.001 | NQ | 1 |
| 1 | 4.00 - 6.00 | FLR | 0.80 | 6.3 | 4 | 9.00 | 4.50 | 10.50 | 6.50 | 33.00 | 20.50 | 0.60 | X | B | 26879.000.001 | NQ | 1 |
| 2 | 4.00 - 6.00 | FLR | 0.80 | 6.3 | 4 | 9.00 | 4.50 | 17.00 | 6.50 | 33.00 | 20.50 | 0.60 | X | B | 26880.000.001 | NQ | 1 |
| 3 | 4.00 - 6.00 | FLR | 0.80 | 6.3 | 4 | 9.00 | 4.50 | 23.50 | 6.50 | 33.00 | 20.50 | 0.60 | X | B | 26881.000.001 | NQ | 1 |
| 4 | 4.00 - 6.00 | FLR | 0.80 | 6.3 | 5 | 9.00 | 4.50 | 30.00 | 6.50 | 33.00 | 20.50 | 0.60 | X | B | 26882.000.001 | NQ | 1 |
| 5 | 4.00 - 6.00 | FLR | 0.80 | 6.3 | 6 | 9.00 | 4.50 | 36.50 | 6.50 | 33.00 | 20.50 | 0.60 | X | B | 26896.000.001 | NQ | 1 |
| 6 | 4.00 - 6.00 | FLR | 0.80 | 6.3 | 6 | 9.00 | 4.50 | 43.00 | 6.50 | 33.00 | 20.50 | 0.60 | X | B | 26897.000.001 | NQ | 1 |
| 7 | 4.00 - 6.00 | FLR | 0.80 | 6.3 | 6 | 9.00 | 4.50 | 49.50 | 6.50 | 33.00 | 20.50 | 0.60 | X | B | 26898.000.001 | NQ | 1 |
| Typ | Nennquerschnitt qmm | Leitart | Steckdicke | Steckbreite | Polzahl | a1 | a2 | b1 | b2 | l1 | l2 | M ¹ dicke | Stahlfeder | Form E Einzel BBand | Teile-Nr. | Verb. vor-schub | Fuß-note |

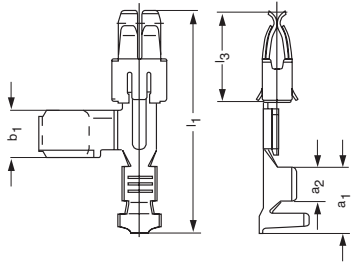
¹ Materials and Surfaces: current bridge -CuSn3Ag frSn 3, terminal -CuFeP Ag 3

¹ Werkstoffe und Oberflächen: Strombrücke -CuSn3Ag frSn 3, Kontakt -CuFeP Ag 3

DFK 3

with additional tab connection

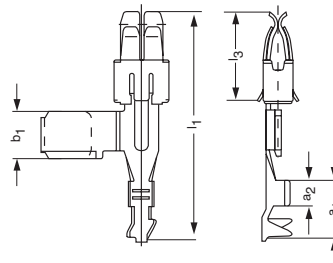
Type 1



DFK 3

mit zusätzlichem Flachsteckeranschluß

Type 2

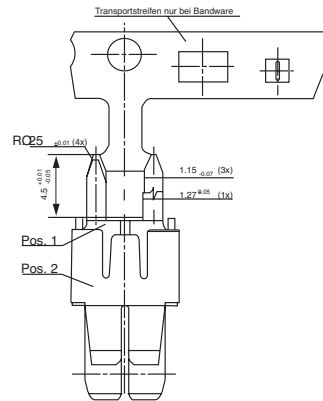
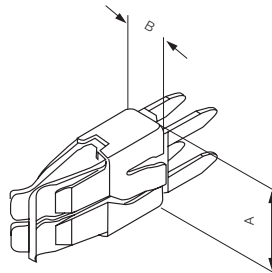


| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | b1 | l1 | l3 | Material thickness | Steel spring | Form single Behain | Part number | Specification | Materials | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|------|-------|-------|--------------------|--------------|--------------------|----------------------|----------------------|-----------|-----------|-----------------|
| 1 | 1.5 - 2.5 | 0.80 | 6.3 | 7.00 | 4.00 | 5.40 | 25.70 | 10.60 | 0.40 | X | B | 26411.306.710 | DFK 3 - Flachkontakt | CuCrTiSi | Ag | NQ |
| 2 | 0.5 - 1.0 | 0.80 | 6.3 | 6.50 | 3.00 | 5.40 | 25.70 | 10.60 | 0.40 | X | B | 26413.306.710 | DFK 3 - Flachkontakt | CuCrTiSi | Ag | NQ |
| 2 | 0.3 - 0.6 | 0.80 | 6.3 | 6.50 | 3.00 | 5.40 | 25.70 | 10.60 | 0.40 | X | B | 26414.306.710 | DFK 3 - Flachkontakt | CuCrTiSi | Ag | NQ |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | b1 | l1 | l3 | M.-dicke | Stahlfeder | Form Einzel BBand | Teile-Nr. | Bezeichnung | Werkstoff | Werkstoff | Verb.-vor-schub |

Solder version

Lötversion

Type 1

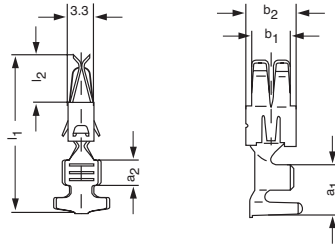


| Type | A | B | Form Einzel Behain | Part number | Specification | Material | Surface |
|------|-----|-----|--------------------|----------------------|----------------------|-----------|---------|
| 1 | 6.5 | 3.4 | E | 26029.331.142 | DFK 3 - Flachkontakt | CuFe2P | Ag |
| Typ | A | B | Form Einzel BBand | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

DFK 4

DFK 4

Type 1

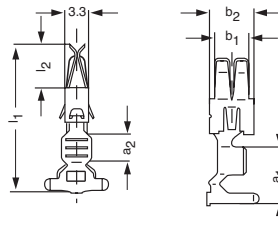


| Type | Wire cross section qmm | Insulation diameter | Tab thickness | Tab width | a1 | a2 | b1 | b2 | l1 | l2 | M material thickness | Steel spring | Form E Einzel Behain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------------|---------------|-------------|------|------|------|------|-------|------|----------------------|--------------|----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5 - 1.0 | 1.4 - 2.0 | 0.80 | 4.8 | 5.80 | 3.00 | 4.80 | 6.85 | 19.50 | 6.00 | 0.40 | X | B | 26359.330.186 | CuFe2P | Sn | NQ |
| 1 | 1.5 - 2.5 | 1.9 - 2.9 | 0.80 | 4.8 | 6.30 | 3.50 | 4.80 | 6.85 | 19.50 | 6.00 | 0.40 | X | B | 26360.330.186 | CuFe2P | Sn | NQ |
| 1 | 4 | 3.8 - 4.5 | 0.80 | 4.8 | 6.80 | 4.00 | 4.80 | 6.85 | 19.50 | 6.00 | 0.40 | X | B | 26361.330.186 | CuFe2P | Sn | NQ |
| Typ | Nennquerschnitt qmm | Isol.-Ø | Steckdicke | Steckbreite | a1 | a2 | b1 | b2 | l1 | l2 | M.-dicke | Stahlfeder | Form E Einzel BBand | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

DFK 4 PLUS

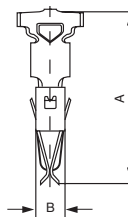
DFK 4 PLUS

Type 1



| Type | Wire cross section qmm | Insulation diameter | Tab thickness | Tab width | a1 | a2 | b1 | b2 | l1 | l2 | M material thickness | Steel spring | Form E Einzel Behain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------------|---------------|-------------|------|------|------|------|-------|------|----------------------|--------------|----------------------|---------------|-----------|------------|-----------------|
| 1 | 1.5 - 2.5 | 1.9 - 2.9 | 0.80 | 4.8 | 7.70 | 3.50 | 4.80 | 6.85 | 20.00 | 6.00 | 0.40 | X | B | 26384.330.186 | CuFe2P | Sn | NQ |
| Typ | Nennquerschnitt qmm | Isol.-Ø | Steckdicke | Steckbreite | a1 | a2 | b1 | b2 | l1 | l2 | M.-dicke | Stahlfeder | Form E Einzel BBand | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1

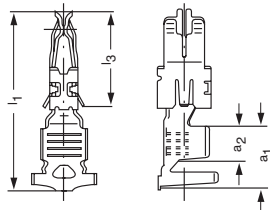


| Type | A | B | Part number | Specification | Material | Surface |
|------|----|-----|---------------|---------------|-----------|---------|
| 1 | 20 | 3.3 | 28048.330.186 | DFK 4 PLUS | CuFe2P | Sn |
| Typ | A | B | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

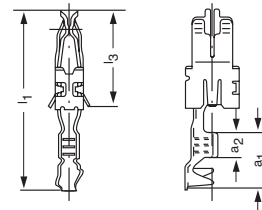
DFK 40

DFK 40

Type 1



Type 2

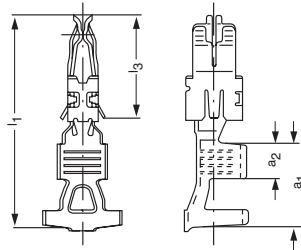


| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l3 | M. material thickness | Steel spring | Form E Einzel B Band | Part number | Materials | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|-------|-------|-----------------------|--------------|----------------------|---------------|-----------|------------|-----------------|
| 2 | 0.3 - 0.6 | 0.80 | 4.80 | 6.50 | 3.00 | 21.20 | 11.55 | 0.40 | X | B | 26963.306.179 | CuCrTiSi | Sn | NQ |
| | | | | | | | | | | | 26963.306.710 | CuCrTiSi | Ag | |
| 2 | 0.5 - 1.0 | 0.80 | 4.80 | 6.50 | 3.00 | 21.20 | 11.55 | 0.40 | X | B | 26964.306.179 | CuCrTiSi | Sn | NQ |
| | | | | | | | | | | | 26964.306.710 | CuCrTiSi | Ag | |
| 1 | 1.5 - 2.5 | 0.80 | 4.80 | 7.20 | 4.00 | 21.20 | 11.55 | 0.40 | X | B | 26965.306.179 | CuCrTiSi | Sn | NQ |
| | | | | | | | | | | | 26965.306.710 | CuCrTiSi | Ag | |
| 1 | 4.00 - 6.00 | 0.80 | 4.80 | 7.20 | 4.00 | 21.20 | 11.55 | 0.40 | X | B | 26966.306.179 | CuCrTiSi | Sn | NQ |
| | | | | | | | | | | | 26966.306.710 | CuCrTiSi | Ag | |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | l3 | M. dicke | Stahlfeder | Form E Einzel B Band | Teile-Nr. | Werkstoff | Oberfläche | Verb. vor-schub |

DFK 40 PLUS

DFK 40 PLUS

Type 1

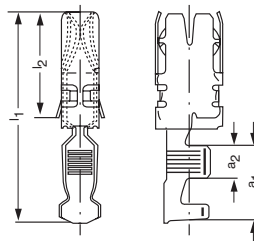


| Type | Wire cross section qmm | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | l2 | M. terial thickness | Steel spring | Form Eingle Behain | Part number | Specification | Merial | Surface | Terminal feed |
|------|------------------------|---------------------|---------------|--------------|------|------|-------|-------|---------------------|--------------|--------------------|--------------------------------|--------------------------|----------------------|-----------|-----------------|
| 1 | 0.5 - 1.0 | 1.4 - 2.7 | 0.80 | 4.8 | 9.50 | 4.00 | 23.90 | 11.55 | 0.40 | X | B | 26293.306.179 26293.306.710 | DFK 40 PLB DFK 40 PLB | CuCrTiSi CuCrTiSi | Sn Ag | NQ |
| 1 | 4.00 - 6.00 | 3.4 - 4.3 | 0.80 | 4.8 | 9.50 | 4.00 | 23.90 | 11.55 | 0.40 | X | B | 26635.306.179 | DFK 40 PLB | CuCrTiSi | Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | Isol.-Ø | Steck-dicke | Steck-breite | a1 | a2 | l1 | l2 | M.-dicke | Stahl-feder | Form EEinzel BBand | Teile-Nr. | Bezeichnung | Werkstoff | Øerfläche | Verb.-vor-schub |

MAXI-DFK

MAXI-DFK

Type 1

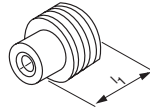


| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | M. terial thickness | Steel spring | Form Eingle Behain | Part number | Specification | Merial | Surface | Terminal feed |
|------|------------------------|---------------|--------------|-------|------|-------|-------|---------------------|--------------|--------------------|---------------|---------------|-----------|--------------|-----------------|
| 1 | 4.00 - 6.00 | 1.20 | 9.50 | 10.50 | 4.50 | 38.60 | 19.75 | 0.60 | X | B | 25612.306.421 | MAXI-DFK | CuCrTiSi | Ni / Ag / Sn | NQ |
| 1 | 6.00 - 10.00 | 1.20 | 9.50 | 14.00 | 6.00 | 38.60 | 19.75 | 0.60 | X | B | 26203.306.421 | MAXI-DFK | CuCrTiSi | Ni / Ag / Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | a1 | a2 | l1 | l2 | M.-dicke | Stahl-feder | Form EEinzel BBand | Teile-Nr. | Bezeichnung | Werkstoff | Øerfläche | Verb.-vor-schub |

Single wire seals

Seals (Einzelleitungs-dichtungen)

Type 1



| Type | Insulation diameter | Hole diameter | l1 | Part number | Material | Colour | Foot-note |
|------|---------------------|---------------|------|---------------|-----------|-----------|--------------|
| 1 | 1.2 - 2.1 | 8.20 | 7.50 | 16277.627.611 | VQ | rapsgelb | |
| 1 | 1.9 - 3 | 8.20 | 7.50 | 16278.627.694 | VQ | reinweiß | 1 |
| 1 | 1.9 - 3 | 8.20 | 7.50 | 16696.627.694 | VQ | reinweiß | |
| 1 | 3.4 - 4.4 | 8.20 | 7.50 | 16259.627.646 | VQ | blaußgrün | |
| Typ | Isol.- Ø | Bohr.- Ø | l1 | Teile-Nr. | Werkstoff | Farbe | Fuß- note |

*1 Safety part

*1 Dokumentationspflichtiges Teil

Seals determination for the contacts and wires

The choice of seal depends on the thickness of the wire insulation (e.g. according to DIN 72551, part 6).

Zuordnung der Seals zu Kontakten und Leitungen

Die Wahl der Seals hängt von der Dicke der Isolierhülle der Leitungen ab (z.B. gemäß DIN72551, Teil 6).

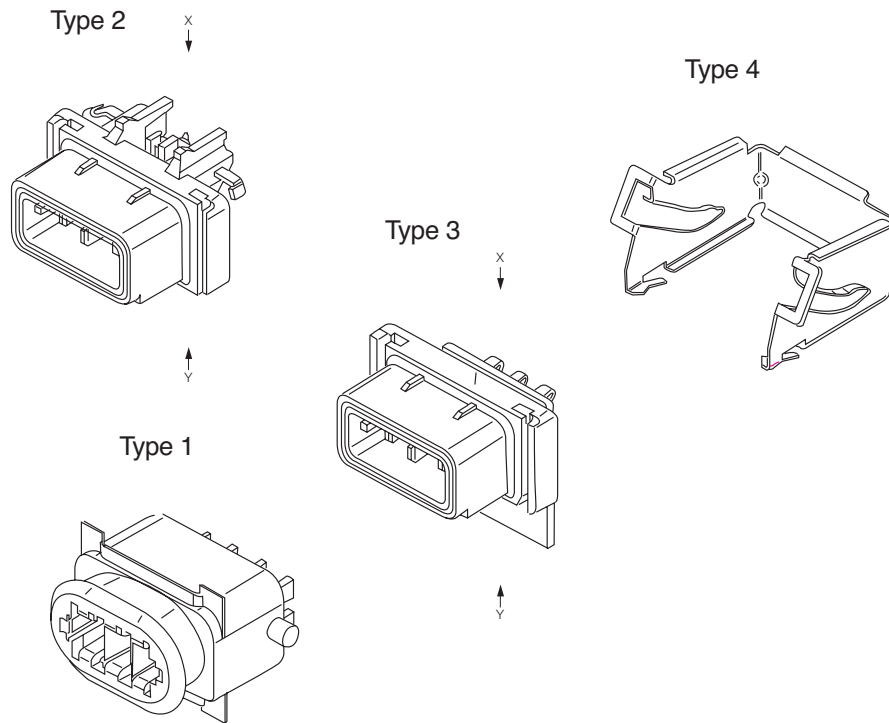
| Hole diameter of cavity | Wire diameter mm | Wire cross section qmm | Type of Leads | Part number | Foot note | Terminal |
|--------------------------|------------------|------------------------|---------------|---------------|---------------|--------------|
| 8.20 | 1.2 - 2.1 | 0.22 - 0.38 | FLY | 16277.627.611 | | DFK 2 PLS |
| | | 0.35 - 1.00 | FLRY | | | DFK 4 PLS |
| | 1.9 - 3.0 | 0.5 - 1.5 | FLY | 16696.627.694 | | DFK 40 PLS |
| | | 1.0 - 2.5 | FLRY | 16278.627.694 | 1 | |
| | | 3.4 - 4.4 | 2.5 - 4.0 | FLY | 16259.627.646 | |
| 4.0 - 6.0 | FLRY | | | | | |
| Bohr-Ø der Gehäusekammer | Leitungs-Ø mm | Nennquerschnitt qmm | Leitungsart | Teile-Nr. | Fußnote | Verbindertyp |

*1 Safety part

*1 Dokumentationspflichtiges Teil

DFK 3

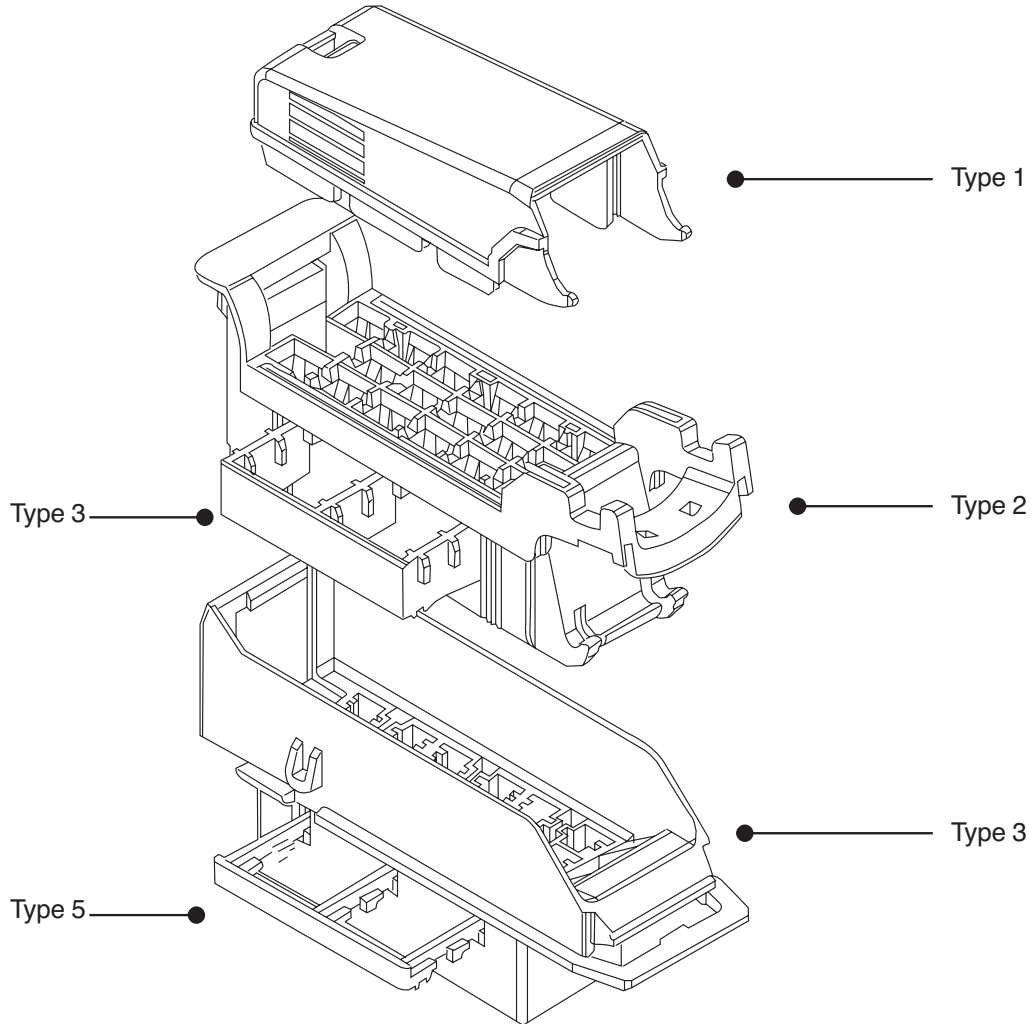
DFK 3



| Type | No. of ways | Part number | Specifications | Material | Surface/ Colour |
|------|--------------|---------------|--|---------------|--|
| 4 | | 12216.426.001 | Verriegelungsschieber | FeCrNi | |
| 2 | 3 | 17249.000.000 | Steckerwanne Flachstecker | CuSn | selSn |
| 1 | 3 | 17297.000.000 | DFK 3 Gehäuse Dichtung Gehäuse Außengehäuse | V PA PA | feuerrot tiefschwarz tiefschwarz |
| 1 | 3 | 17497.000.000 | DFK 3 Gehäuse Dichtung Gehäuse Außengehäuse | V PA PA | feuerrot tiefschwarz tiefschwarz |
| 3 | 3 | 17697.999.000 | Steckerwanne Flachstecker | CuSn | selSn |
| Typ | Pol- zahl | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche/ Farbe |

DFK 3

DFK 3



DFK 3

DFK 3

| Type | No. of ways | Part number | Specification | Material | Colour | Part of |
|------|-------------|---------------|-----------------------|-----------|-------------|-----------|
| 2 | 17 | 14308.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14325 |
| 2 | 17 | 14309.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14326 |
| 2 | 17 | 14310.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14327 |
| 2 | 17 | 14312.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14329 |
| 2 | 17 | 14313.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14330 |
| 2 | 17 | 14316.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14333 |
| 2 | 17 | 14317.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14334 |
| 2 | 17 | 14318.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14335 |
| 2 | 17 | 14319.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14336 |
| 2 | 17 | 14320.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14337 |
| 2 | 17 | 14321.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14338 |
| 2 | 17 | 14322.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14339 |
| 2 | 17 | 14323.601.699 | DFK 3 - Gehäuse | PBT-GF | tiefschwarz | 14340 |
| 4 | 17 | 14325.633.699 | FS 6,3 - Gehäuse | PPERA-GF | tiefschwarz | 14308 |
| 4 | 17 | 14326.633.699 | FS 6,3 - Gehäuse | PPERA-GF | tiefschwarz | 14309 |
| 4 | 17 | 14327.633.699 | FS 6,3 - Gehäuse | PPERA-GF | tiefschwarz | 14310 |
| 4 | 17 | 14335.633.699 | FS 6,3 - Gehäuse | PPERA-GF | tiefschwarz | 14318 |
| 4 | 17 | 14337.633.699 | FS 6,3 - Gehäuse | PPERA-GF | tiefschwarz | 14320 |
| 4 | 17 | 14338.633.699 | FS 6,3 - Gehäuse | PPERA-GF | tiefschwarz | 14321 |
| 4 | 17 | 14339.633.699 | FS 6,3 - Gehäuse | PPERA-GF | tiefschwarz | 14322 |
| 3 | | 14342.616.621 | Verriegelungsschieber | PA66-GF | feuerrot | |
| 5 | | 14343.616.606 | Verriegelungsschieber | PA66-GF | rapsgelb | |
| 1 | | 14344.601.699 | Deckel | PBT-GF | tiefschwarz | |
| Typ | Polzahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu |

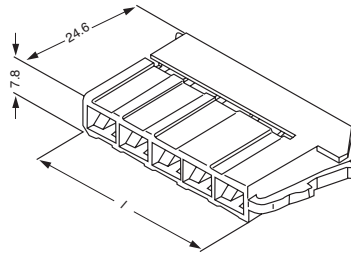
DFK 3

DFK 3 housings for windscreen wiper terminals

DFK 3

DFK 3 Gehäuse für den Scheibenwischeranschluß

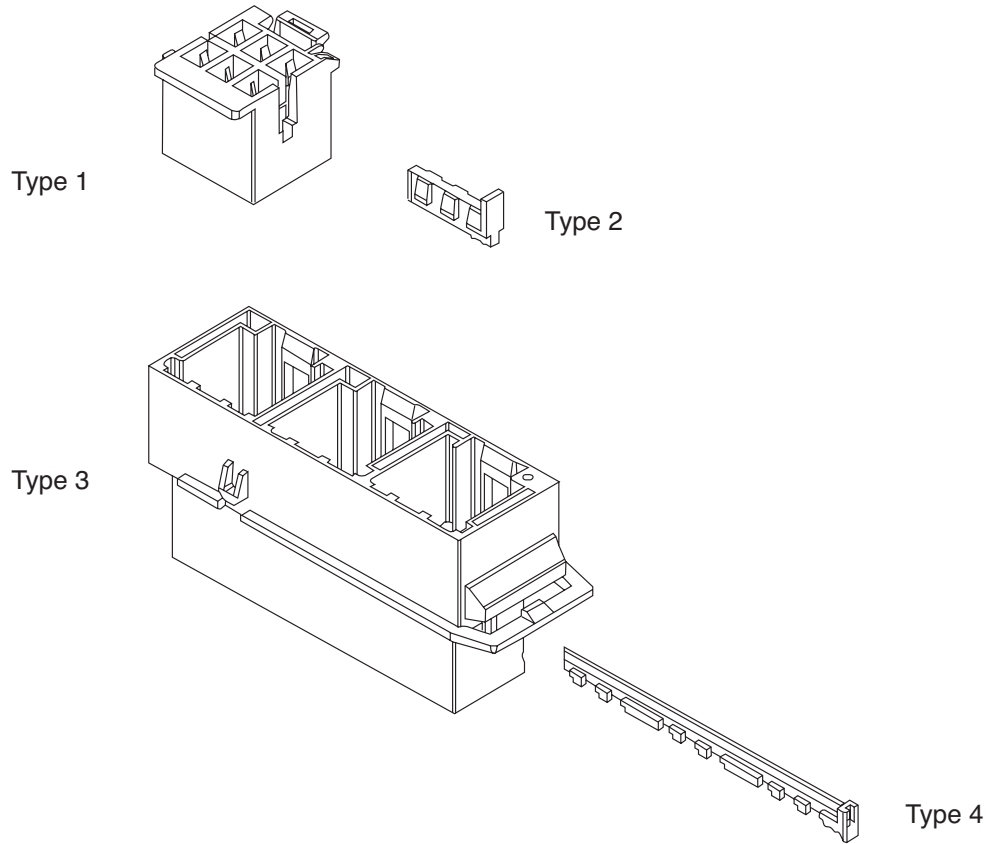
Type 1



| Type | No. of ways | l | Part number | Specification | Material | Colour |
|------|-------------|-------|----------------------|-----------------|-----------|-------------|
| 1 | 5 | 39.50 | 16571.577.699 | DFK 3 - Gehäuse | PA66PE | tiefschwarz |
| Typ | Polzahl | l | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

DFK 3

DFK 3



| Type | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|-------------|-----------|---------------|-----------------------|-----------|-------------|
| 3 | 18 | A,B,C | 14383.601.699 | FS 6,3 - Gehäuse | PBT-GF | tietschwarz |
| 3 | 18 | D,E,F | 14384.601.699 | FS 6,3 - Gehäuse | PBT-GF | tietschwarz |
| 3 | 18 | G,H,J | 14385.601.699 | FS 6,3 - Gehäuse | PBT-GF | tietschwarz |
| 1 | 6 | A | 14396.562.699 | DFK 3 - Gehäuse | PA66 | tietschwarz |
| 1 | 6 | B | 14387.562.699 | DFK 3 - Gehäuse | PA66 | tietschwarz |
| 1 | 6 | C | 14388.562.699 | DFK 3 - Gehäuse | PA66 | tietschwarz |
| 1 | 6 | D | 14389.562.699 | DFK 3 - Gehäuse | PA66 | tietschwarz |
| 1 | 6 | H | 14393.562.699 | DFK 3 - Gehäuse | PA66 | tietschwarz |
| 4 | | | 14395.616.606 | Verriegelungsschieber | PA66-GF | rapsgelb |
| 2 | | | 14396.616.621 | Verriegelungsschieber | PA66-GF | feuerrot |
| 1 | 6 | G | 14392.562.699 | DFK 3 - Gehäuse | PA66 | tietschwarz |
| Typ | Pol-zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

DFK

Splash-proof systems

The connectors fulfil the requirements of **DIN 40050, IP 64** and **IEC publication 529**.

We also supply **DFK** connectors in a splash-proof version for application in motor vehicles and boats, for installation in chemical plants or in high-humidity environments.

The system withstands the most severe climatic conditions. Additional seals protect against dust and spray entering the connection. Connectors in the **PLS**-version allow the use of seals (single wire seals) for protection. Secondary locking systems ensure a high level of operating safety.

DFK

Spritzwassergeschützte Systeme

Die Steckverbinder erfüllen die Anforderungen nach **DIN 40050, IP 64** und **IEC Publikation 529**

Spritzwassergeschützte **DFK** Systeme sind ausgelegt für den Einsatz in Land- und Wasserfahrzeugen sowie für die Installation in Chemieanlagen und in Räumen mit hoher Luftfeuchte.

Das System bewährt sich unter harten klimatischen Bedingungen. Zusätzliche Dichtungselemente schützen die Verbindung gegen das Eindringen von Staub und Spritzwasser. Kontakte in der **PLS**-Variante erlauben den Einsatz von Seals (Einzelleitungsdichtungen) zum Abdichten. Zusatzverriegelungen gewährleisten hohe Betriebssicherheit.

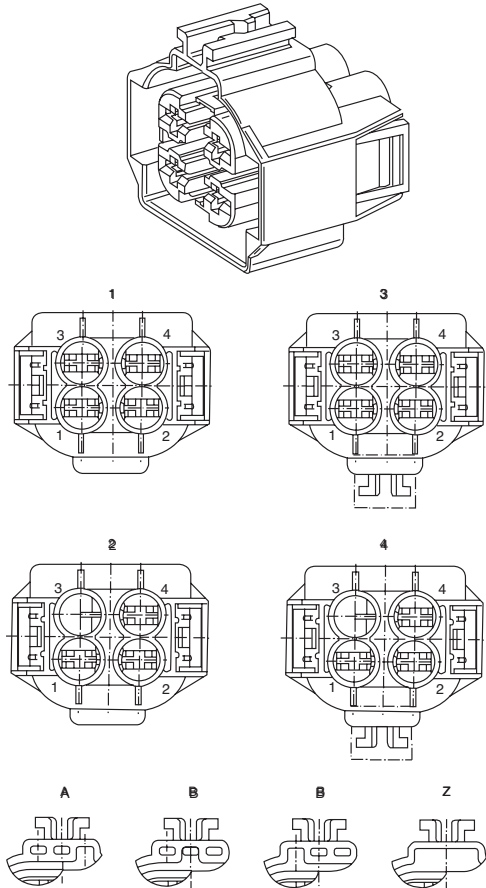
DFK 40 PLUS

DFK 40 PLUS

The housings can be used as couplings. Keying via the locator of the housing.

Die Gehäuse sind als Kupplung einsetzbar. Die Kodierung erfolgt über die Aufnahme des Steckergehäuses.

Type 1



DFK 40 PLUS

DFK 40 PLUS

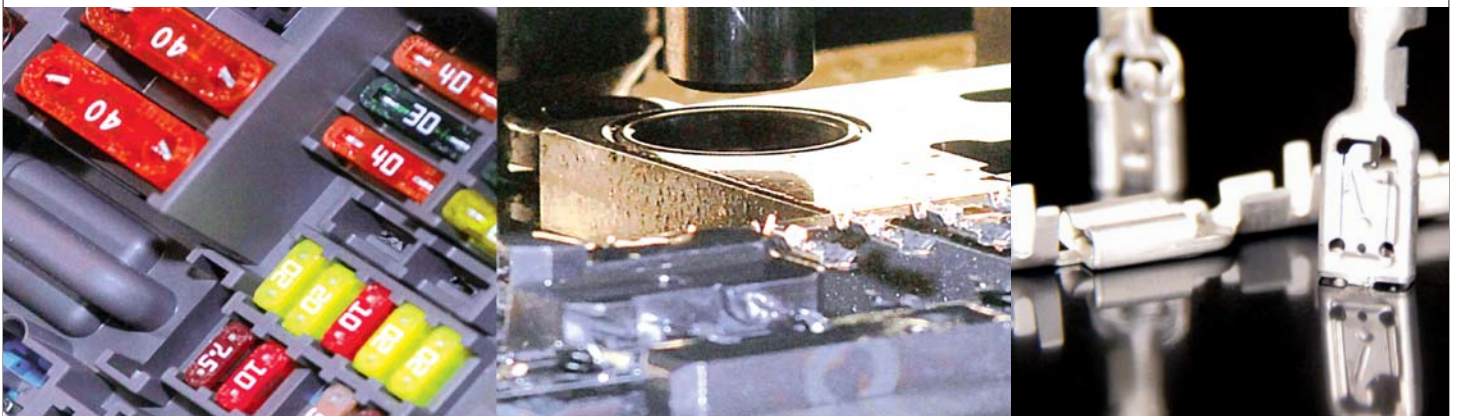
| Type | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|--------------|-----------|---------------|---|----------------|--|
| 1 | 4 | 1-A | 18291.000.000 | DFK 40 PLS - Gehäuse Dichtung Schieber Gehäuse | V PA PBT | reinorange tiefschwarz tiefschwarz |
| 1 | 3 | 4-A | 18295.000.000 | DFK 40 PLS - Gehäuse Dichtung Schieber Gehäuse | V PA PBT | reinorange tiefschwarz tiefschwarz |
| 1 | 3 | 4-B | 18296.000.000 | DFK 40 PLS - Gehäuse Dichtung Schieber Gehäuse | V PA PBT | reinorange fehgrau tiefschwarz |
| 1 | 3 | 2-A | 18299.000.000 | DFK 40 PLS - Gehäuse Dichtung Schieber Gehäuse | V PA PBT | reinorange tiefschwarz tiefschwarz |
| 1 | 3 | 2-Z | 18302.000.000 | DFK 40 PLS - Gehäuse Dichtung Schieber Gehäuse | V PA PBT | reinorange türkisblau tiefschwarz |
| Typ | Pol- zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

SIKO

Secure Contact Systems
4.8 / 6.3 mm

SIKO

Sicherheitskontaktsysteme
4,8 / 6,3 mm



SIKO

Secure contact systems for tab width 4.8 mm and 6.3 mm also with reduced insertion force

The flat connector systems **SIKO 1** and **SIKO 2** combines the properties of a permanent connection with the advantage of a releasable one. They are used where normal connections do not offer the operating safety required e.g. because of vibration or tension on the wire.

The **SIKO 1** receptacle has a locking mechanism which snaps into the notch on the tab. By pressing the especially wide spring latch (directly or via a sloping surface in the housing) the connection can be released. The **SIKO 1** has a straight wire connection area.

The locking mechanism of **SIKO 2** receptacles engages the notch in the tab and is only releasable through pressure on the release catch. The centrally located release catch simplifies manual release of the connection even when used with housing. **SIKO 2** receptacle is available in straight or flag types. The straight type receptacle is also available with reduced insertion force.

Characteristics

- no accidental disconnection
- easy handling
- high current rating

Use

- access is difficult
- there is strong vibration
- strain is caused by heavy harnesses

Terminals

SIKO 1 for tab width 6.3 mm

- with locking latch for use in housings
- without locking latch

SIKO 2 for tab width

- 4.8 mm straight type
- 6.3 mm straight and flag types
- 6.3 mm straight type with reduced insertion force

SIKO

Sicherheitskontaktsysteme für Steckerbreiten 4,8 mm und 6,3 mm auch mit reduzierter Aufsteckkraft

Die Flachsteckverbindersysteme **SIKO 1** und **SIKO 2** kombinieren die Eigenschaften einer nicht lösbaren Verbindung mit den Vorteilen einer lösbaren. Einsatzorte sind überall dort, wo einfache Steckverbindungen, z.B. schwingungsbedingt oder durch Zugkraft auf der Leitung, nicht die erforderliche Betriebssicherheit bieten.

Der **SIKO 1** Flachkontakt ist mit einem Verriegelungsmechanismus ausgelegt, der im Rastloch des Flachsteckers (6,3 mm x 0,8 mm) verrastet. Durch Druck auf die besonders breit ausgelegte Federlasche (direkt oder über eine Schräge im Gehäuse) läßt sich die Verbindung wieder lösen. Der **SIKO 1** besitzt einen geraden Leiteranschluß.

Der Verriegelungsmechanismus der **SIKO 2** Flachkontakte hakt im Rastloch des Flachsteckers ein und ist nur durch Drücken des Entriegelungsstegs wieder zu lösen. Der zentral angeordnete Entriegelungssteg erleichtert die Handhabung beim Trennen der Verbindung auch beim Einsatz im Gehäuse. Der **SIKO 2** Flachkontakt ist mit geradem und seitlichem Leiteranschluß erhältlich. Der Flachkontakt mit geradem Leiteranschluß liegt auch in steckkraftreduzierter Variante vor.

Eigenschaften

- kein ungewolltes Lösen der Verbindung
- leichte Handhabung
- hohe Strombelastbarkeit

Einsatz

- an schwer zugänglichen Stellen
- an Bauteilen, die starken Vibrationen unterliegen
- an Leitungssätzen mit hohem Eigengewicht

Kontakte

SIKO 1 für Steckerbreite 6,3 mm

- mit Rastnase für Gehäuseeinsatz
- ohne Rastnase

SIKO 2 für Steckerbreite

- 4,8 mm mit geradem Leiteranschluß
- 6,3 mm mit geradem und seitlichem Leiteranschluß
- 6,3 mm mit geradem Leiteranschluß in steckkraftreduzierter Variante

SIKO

SIKO

Housings

SIKO 1

- 1-way housing
- The release function still operates within the housing.

SIKO 2

- 1-way housing for 6.3 mm series straight type
 - 2-way housing for 6.3 mm series flag type
- The release function still operates within the housing.

Delivery form

Terminals

- single form for hand crimping tools, crimping devices
- chain form for semi-automatic and fully-automatic machines

Housings

- loose in standard packs

Gehäuse

SIKO 1

- 1-poliges Gehäuse
- Die Entriegelungsfunktion bleibt im Gehäuseein-
satz erhalten.

SIKO 2

- 1-poliges Gehäuse für Steckerbreite 6,3 mm mit geradem Leiteranschluß.
 - 2-poliges Gehäuse für Steckerbreite 6,3 mm mit seitlichem Leiteranschluß
- Die Entriegelungsfunktion bleibt im Gehäuseein-
satz erhalten.

Lieferform

Kontakte

- Einzelform für Handcrimpwerkzeuge, Crimpergeräte
- Bandform für Halb- und Vollautomaten

Gehäuse

- lose in Standardverpackungen

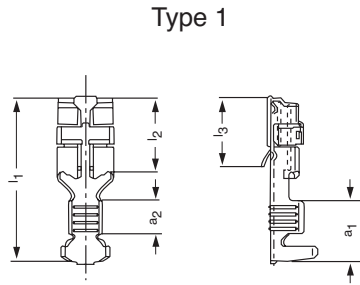
| Technical Data | | Technische Daten |
|---------------------------------------|-------------|---|
| SIKO 1 terminals | | SIKO 1 Kontakte |
| For tab width | 6,3 mm | Für Steckerbreite |
| For tabs DIN 46244 part 1, or BS 5057 | | Für Flachstecker DIN 46244 Teil 1, und ähnliche |
| Wire cross section | 0,5 - 6 qmm | Leiternennquerschnitt |
| Insertion and withdrawal force | ca 6N | Aufsteck - und Abziehkraft |
| Contact retention force (locked) | ≥ 100 N | Kontakthaltekraft auf Gegenstecker (verriegelt) |
| Contact back-out force | ≥ 70 N | Ausreißkraft aus dem Gehäuse |
| Current rating | max. 25 A | Strombelastbarkeit |
| SIKO 1 housing | | SIKO 1 Gehäuse |
| For tab width | 6,3 mm | Für Steckerbreite |
| 1-way straight type | | 1 - polig mit geradem Leiteranschluß |

| Technical Data | | Technische Daten |
|--|---|--|
| SIKO 2 terminals Report for applicant information according to DIN VDE 0627 and DIN EN 60998 part 2 -3, file no. 4813-1432-4017. For tab with 4.8 mm Wire cross section Insertion force 1st/10th cycle Withdrawal force 1st/10th cycle Conduct or tensile force, according to Current rating T (amb) 70°C | 0,3 - 2,5 qmm 4 1/8 N 29/6 N DIN EN 60352-2 max 14 A | SIKO 2 Kontakte Prüfbericht zur Information des Antragstellers nach DIN VDE 0627 und DIN EN 60998 Teil 2 - 3, Aktenzeichen 4813 - 1432 - 4017 Für Steckerbreite 4,8 mm Leiternennquerschnitt Aufsteckkraft 1.Zyklus/10.Zyklus Abziehkraft 1.Zyklus/10.Zyklus Leiterausziehkraft, nach Strombelastbarkeit bei T (u) 70°C |
| For tab width 6.3 mm Wire cross section Insertion force 1st/10th cycle Withdrawal force 1st/10th cycle Conduct or tensile force, according to Contact back-out force Current rating T (amb) 70°C | 0,5 - 2,5 qmm 40/15 N 40/15 N DIN EN 60352-2 >70 N max. 20 A | Für Steckerbreite 6,3 mm Leiternennquerschnitt Aufsteckkraft 1.Zyklus/10.Zyklus Abziehkraft 1.Zyklus/10.Zyklus Leiterausziehkraft, nach Ausreißkraft aus dem Gehäuse Strombelastbarkeit bei T (u) 70°C |
| For tab width 6.3 mm with reduced insertion force Wire cross section Insertion force 1st/10th cycle Withdrawal force 1st/10th cycle Conduct or tensile force, according to | 0,5 - 2,5 qmm 20/45 N 20/5 N DIN EN 60352-2 | Für Steckerbreite 6,3 mm mit reduzierter Aufsteckkraft Leiternennquerschnitt Aufsteckkraft 1.Zyklus/10.Zyklus Abziehkraft 1.Zyklus/10.Zyklus Leiterausziehkraft, nach |
| For tab width 6.3 mm flag type Wire cross section Contact back-out force Contact retention force (locked) | 0,75 - 1,5 qmm >100 N > 120 N | Für Steckerbreite 6.3 mm mit seitlichem Leiteranschluß Leiternennquerschnitt Ausreißkraft aus dem Gehäuse Kontakthaltekraft auf Gegenstecker (verriegelt) |

| Technical Data | | Technische Daten |
|---|---------------------|---|
| SIKO 2 housing For tab with 4.8 mm 1-way straight type Material | PM | SIKO 2 Gehäuse Für Steckerbreite 4,8 mm 1-polig mit geradem Leiteranschluß Werkstoff |
| For tab with 6.3 mm 1-way straight type 2-way flag type Material Insulation resistance | PA/PM min. 10 MΩ | Für Steckerbreite 6,3 mm 1-polig mit geradem Leiteranschluß 2-polig mit seitlichem Leiteranschluß Werkstoff Isolationswiderstand |

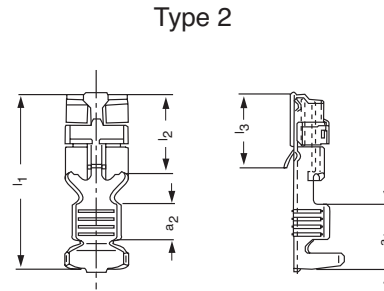
SIKO 1

SIKO 1 terminals
with locking latch for use in housings



SIKO 1

SIKO 1 Kontakte
mit Rastnase für den Einsatz in Gehäusen



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Steel spring | Form E=Single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|-------|------|------|--------------------|--------------|-----------------------|--|--------------|------------|-----------------|
| 1 | 2.5 - 4.0 | 0.80 | 6.30 | 7.20 | 4.00 | 19.00 | 8.50 | 7.80 | 0.40 | X | B | 26771.123.178 | CuZn | Sn | NQ |
| 1 | 0.5 - 1.0 | 0.80 | 6.30 | 7.20 | 4.00 | 19.00 | 8.50 | 7.80 | 0.40 | X | B | 26817.213.178 | CuZn | Sn | NQ |
| 1 | 1.5 - 2.5 | 0.80 | 6.30 | 7.20 | 4.00 | 19.00 | 8.50 | 7.80 | 0.40 | X | B B | 26818.123.178 26818.213.178 | CuZn CuSn | Sn | NQ |
| 2 | 4.00 - 6.00 | 0.80 | 6.30 | 7.20 | 4.00 | 19.00 | 8.50 | 7.80 | 0.40 | X | B | 26819.213.178 | CuSn | Sn | NQ |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | l3 | Mat. dicke | Stahlfeder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb. vor-schub |

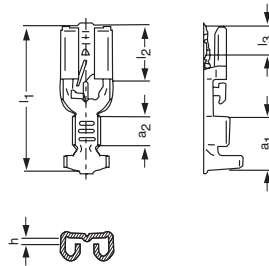
SIKO 2

SIKO 2

SIKO 2 terminals
for tab width 4.8 mm

SIKO 2 Kontakte
für Steckerbreite 4,8 mm

Type 1



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | h | l1 | l2 | l3 | Material thickness | Steel spring | Form Einzel Behäl | Part number | Materials | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|-------------|------|------|------|-------|------|------|--------------------|--------------|-------------------|---------------|-----------|------------|-----------------|-----------|
| 1 | 0.75 - 1.5 (0,5) | 0.80 | 4.80 | 6.40 | 3.50 | 0.65 | 17.00 | 6.50 | 3.80 | 0.35 | X | B | 26553.201.011 | CuSn | Sn | L | 1 |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | h | l1 | l2 | l3 | M.-dicke | Stahlfeder | Form Einzel Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

1 For wire cross section 0.5 qmm please consult Lear

1 Bei Nennquerschnitt 0,5 qmm bitte Rücksprache mit Lear

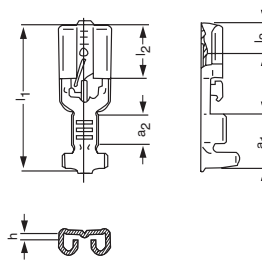
SIKO 2

SIKO 2

SIKO 2 terminals
for tab width 6.3 mm

SIKO 2 Kontakte
für Steckerbreite 6.3 mm

Type 1

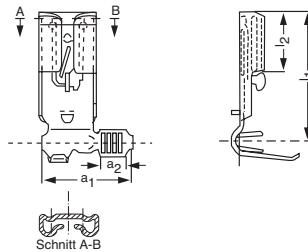


| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | h | l1 | l2 | l3 | Material thickness | Steel spring | Form Einzel Behain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|--------------|------|-----|-----|-------|------|------|--------------------|--------------|--------------------|--|--------------|------------|-----------------|
| 1 | 0.5 - 1 | 0.80 | 6.30 | 7.20 | 4.0 | 0.6 | 20.20 | 7.70 | 4.00 | 0.40 | X | B B | 26111.123.178 26111.201.178 | CuZn CuSn | Sn Sn | L |
| 1 | 1.5 - 2.5 | 0.80 | 6.30 | 7.20 | 4.0 | 0.6 | 20.20 | 7.70 | 4.00 | 0.40 | X | B B | 26112.123.178 26112.201.178 | CuZn CuSn | Sn Sn | L |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | a1 | a2 | h | l1 | l2 | l3 | M.-dicke | Stahl-feder | Form Einzel BBand | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

SIKO 2 terminals
for tab width 6.3 mm, flag type

SIKO 2 Kontakte
für Steckerbreite 6,3 mm, mit
seitlichem Leiteranschluß

Type 1



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | Material thickness | Steel spring | Form Einzel Behain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|--------------|-------|-----|-------|------|--------------------|--------------|--------------------|---|----------------------|------------|-----------------|
| 1 | 0.75 - 1.5 | 0.80 | 6.30 | 11.10 | 4.0 | 17.50 | 7.70 | 0.40 | X | B B B | 26574.123.009 26574.201.009 26574.201.178 | CuZn CuSn CuSn | Sn | L |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | a1 | a2 | l2 | l1 | M.-dicke | Stahl-feder | Form Einzel BBand | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

SIKO 1 SIKO 2

SIKO 1 SIKO 2

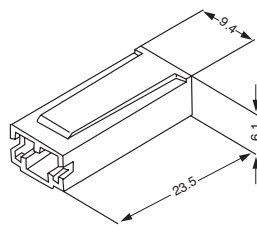
The described housings give you an idea of the product range of Lear. Some of the applications have been tailored to the needs of our customers and are therefore not free available (please contact us).

Die dargestellten Gehäuse geben einen Einblick in das Lieferprogramm von Lear. Einige Anwendungen sind speziell auf die Bedürfnisse des Kunden abgestimmt und daher nicht frei verfügbar (Klärung nach Rücksprache).

SIKO 1 housings
for terminals with tab width 6.3 mm

SIKO 1 Gehäuse
für Kontakte mit Steckerbreite 6,3 mm

Type 1

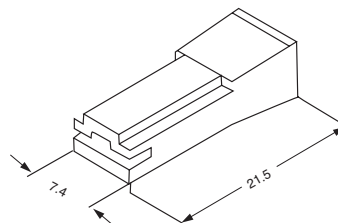


| Type | No. of ways | Part number | Specification | Material | Colour |
|------|-------------|---------------|------------------|-----------|-------------|
| 1 | 1 | 16000.562.501 | SIKO 1 - Gehäuse | PA66 | natur |
| | | 16000.649.696 | SIKO 1 - Gehäuse | PA66 | tiefschwarz |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

SIKO 2 housings
for terminals with tab width 4.8 mm

SIKO 2 Gehäuse
für Kontakte mit Steckerbreite 4,8 mm

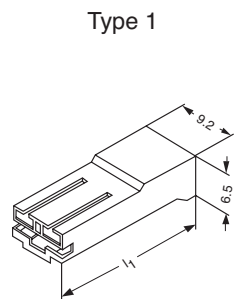
Type 1



| Type | No. of ways | Part number | Specification | Material | Colour |
|------|-------------|---------------|------------------|-----------|-------------|
| 1 | 1 | 14494.659.696 | SIKO 2 - Gehäuse | POM | tiefschwarz |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

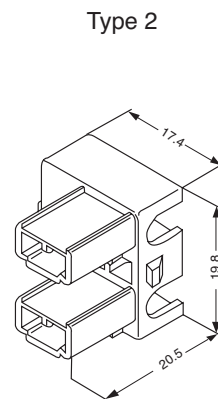
SIKO 2

SIKO 2 housings
for terminals with tab width 6.3 mm



SIKO 2

SIKO 2 Gehäuse
für Kontakte mit Steckerbreite 6,3 mm



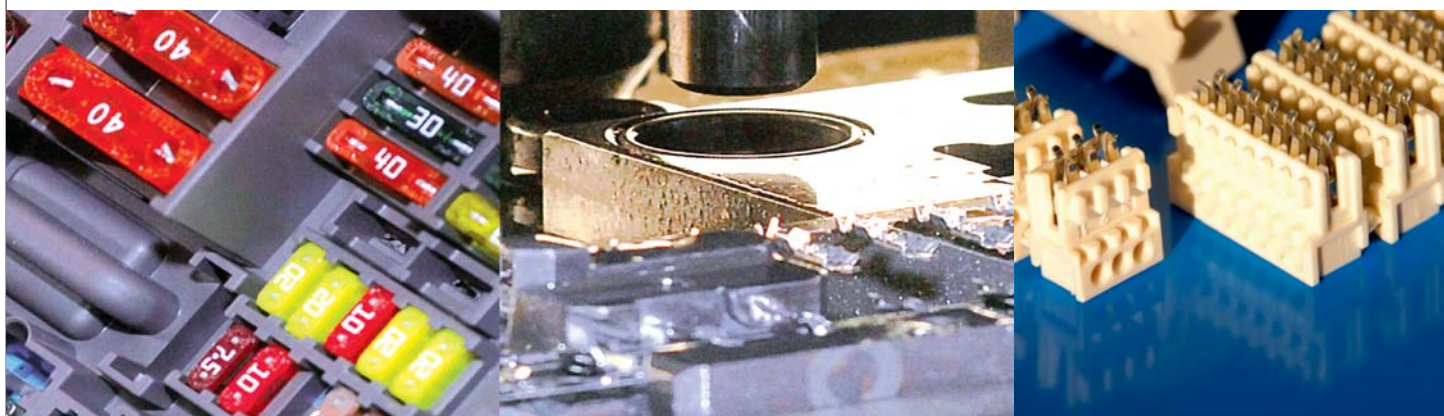
| Type | No. of ways | l1 | Part number | Specification | Material | Colour |
|------|-------------|-------|----------------------|------------------|-----------|-------------|
| 1 | 1 | 24.50 | 14092.562.501 | SIKO 2 - Gehäuse | PA66 | natur |
| 2 | 2 | | 14706.568.699 | SIKO 2 - Gehäuse | PA66PE-GF | tiefschwarz |
| 1 | 1 | 25.40 | 14710.659.696 | SIKO 2 - Gehäuse | PC | tiefschwarz |
| Typ | Pol-zahl | l1 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

RAST 2,5 SK

Connector Systems pitch 2.5 mm
in IDC Technology

RAST 2,5 SK

Steckverbindersysteme Rastermaß 2,5 mm
in Schneidklemmtechnik



RAST 2.5 SK

Connector system in IDC technology

The insulation displacement contact system (IDC) RAST 2.5 SK is designed for direct and indirect contacting of PC boards. It is suited for the transmitting of control and signal impulses in connection with single and ribbon cables, e.g. in the domestic appliance industry and in consumer electronics.

The RAST 2.5 SK system encompasses:

- IDC-connectors
- tandem pin shells

IDC-housings

The housings are already fitted with IDC-contacts in prelatching position. Alternatively each second cavity can remain empty (pitch 5 mm). To prevent incorrect insertion, the housings have a sheer endless variety of keyings. The IDC-connectors come in bandolier form for machine processing.

Tandem pin shells

The tandem pin shells are designed as two side connector systems; IDC connectors can be inserted on both sides. They have external locking.

Colour marking

IDC-connectors and pin shells are marked according to the RAST 2.5.

Processing tools

- hand tools
- semi- and fully automatic machines

RAST 2,5 SK

Steckverbindersysteme in Schneidklemmtechnik

Das Schneidklemmsystem RAST 2,5 SK ist ausgelegt für das direkte und indirekte Kontaktieren von Leiterplatten. Es eignet sich für das Übertragen von Steuer- und Signalströmen in Verbindung mit Einzel- und Rasterstegeleitungen, z.B. in der Hausgeräteindustrie und der Unterhaltungselektronik.

Das System RAST 2,5 SK beinhaltet:

- SK-Verbinder
- Doppelwannen

SK-Verbinder

Die Gehäuse sind fertig bestückt mit SK-Kontakten in Vorraststellung. Wahlweise kann jede zweite Gehäusekammer frei bleiben (Raster 5 mm). Gegen Fehlstecken verfügen die Gehäuse über nahezu beliebige Kodiervarianten. Für die maschinelle Verarbeitung sind die SK-Verbinder in Stangenform magaziniert.

Doppelwannen

Die Doppelwannen dienen als Durchbruchführungen; sie nehmen von beiden Seiten SK-Verbinder auf und verfügen über eine Außenrastung.

Farbmarkierung

SK-Verbinder und Steckerwannen sind gemäß RAST 2,5 markiert.

Verarbeitungsmittel

- Handwerkzeuge
- Halb- und Vollautomaten

RAST 2.5 SK

RAST 2,5 SK

Delivery form
IDC-connectors
 - in bandolier form

Lieferform
SK-Verbinder
 - in Stangenform magaziniert für maschinelle
 Verarbeitung

| Technical Data | | Technische Daten |
|---|--|--|
| Terminals | | Kontakte |
| Kind of contact | SK-Verbindung / IDC | Anschlußart |
| Wire cross section | 0,35 qmm = AWG 22 0,22 qmm = AWG 24 | Leiternennquerschnitt |
| Conductor configuration | 7x0,25 mm 12x0,12 mm Cu, verzinkt/tinned | Empfohlener Leiteraufbau |
| Wire homologation only by LEAR | | Leitungsfreigaben nur durch LEAR |
| Insulation diameter • single wire • ribbon wire | 1,20 - 140 mm 1,30 - 1,45 mm | Isolationsdurchmesser • Einzelleitung • Flachleitung |
| Contact material | CuSn | Kontaktmaterial |
| Surface | Sn | Øberfläche |
| Current rating T(amb) -60 °C | max 2A (4A) | Strombelastbarkeit bei Tu -60 °C |
| Contact resistance | <10 mΩ | Übergangswiderstand |
| Insertion force of PC board and pin shell | 6,0 N | Aufsteckkraft Leiterkarte und Steckerwanne |
| Withdrawal force of PC board and pin shell | >2,5 N | Abziehkraft Leiterkarte und Steckerwanne |
| Number of insertions | ≤ 20 | Steckhäufigkeit |
| Thickness of PC board | 1,50 ± 0,20 mm | Leiterplattendicke |

| Technical Data | | Technische Daten |
|--|------------------------------|---|
| Housings | | Gehäuse |
| Pitch | 2,50 mm | Rastermaß |
| Number of poles | 3...20 pol. | Polzahl |
| Material | PBT | Werkstoff |
| Classification of inflammability | UL 94 V-0 | Brennbarkeitsklassifizierung |
| Colour | natur | Farbe |
| Temperature range | -40... +105 °C | Temperaturbereich |
| Dielectric strength (virtual value) | >2kV | Spannungsfestigkeit (effektiv) |
| Track resistance | CTI ≥250 | Kriechstromfestigkeit |
| Insulation resistance | >1012 Ω (U = 1kV) | Isolationswiderstand |
| Capacity of two adjoining terminals | 4,9 pF (U = 1V; f = 1kHz) | Kapazität zweier benachbarter Kontakte |
| Creepage and clearance | 1mm | Luft - und Kriechstrecken |

RAST 2.5 SK

RAST 2,5 SK

| Technical Data | | Technische Daten |
|--|--------------|---|
| Terminals of pin shell | | Kontakt der Steckerwanne |
| Kind of contact: Soldering connector for PC boards | | Anschlußart: L-förmiger Anschluß für Leiterkarten |
| Contact material | CuSn | Kontaktmaterial |
| Surface | Sn | Oberfläche |
| Number of insertions | ≤ 20 | Steckhäufigkeit |
| Pin shell | | Steckerwanne |
| Pitch | 2,50 mm | Rastermaß |
| Number of poles | 3...20 pol. | Polzahl |
| Material | PBT | Werkstoff |
| Classification of inflammability | U94 V-0 | Brennbarkeitsklassifizierung |
| Track resistance | CTI250 | Kriechstromfestigkeit |
| Temperature range | -40...+05 °C | Temperaturbereich |
| Colour | natur | Farbe |
| Report for applicant information according to DIN VDE 0627 and DIN EN 60998 part 2-3, file-no. 4813-1432-4017 UL-certification | | Prüfbericht zur Information des Antragstellers nach DIN VDE 0627 und DIN EN 60998 Teil 2-3, Aktenzeichen 4813-1432-4017 UL-Approval |

IDC-housings

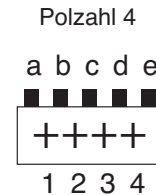
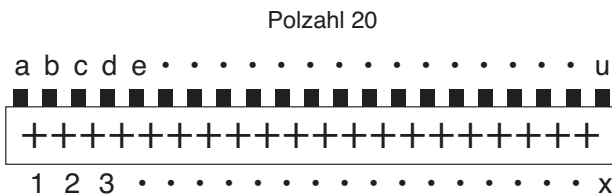
Number of poles

The IDC-connectors are to be viewed in direction of insertion. In this case the housing cavity numbers are in ascending order from left to right (1, 2, 3...).

SK-Gehäuse

Polzahlen

Die SK-Verbinder sind in Steckrichtung zu betrachten. Dann beginnen die Gehäusekammernummern von links aufsteigend (1, 2, 3...).



Cavity assignment

Alternatively every second cavity can remain empty (pitch 5 mm) Identification for:

- all cavities filled: /1
- every 2nd cavity empty: /2
(only available with housings that have an odd number of poles)
- mixed/selective: /3

Kammerbelegung

Wahlweise kann jede zweite Kammer frei bleiben (Raster 5 mm). Als Kennzeichnung dient für:

- alle Kammern belegt: /1
- jede 2. Kammer frei: /2
(nur bei Gehäusen mit ungerader Polzahl erhältlich)
- gemischt / selektiv: /3

Keying plugs

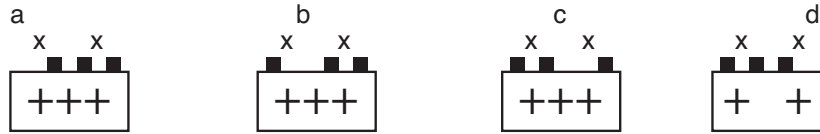
The keying plugs are situated on the housings between the cavities, one also in front of the first and behind the last cavity. They are lettered (a, b, c...). The letter of the cut off keying plug is named accordingly. Any desired keying is possible.

Kodierstege

Die Kodierstege befinden sich auf den Gehäusen zwischen den Gehäusekammern sowie jeweils einer vor der ersten und hinter der letzten Gehäusekammer. Sie sind mit Buchstaben (a, b, c,...) bezeichnet. Genannt wird jeweils der Buchstabe des abgeschnittenen Kodiersteiges. Jede Kodierung ist möglich.

RAST 2.5 SK

RAST 2,5 SK



Example: R2.5/1 - 3a

- R2.5 - RAST 2.5 SK-System
- /1 - every cavity loaded (pitch 2.5 mm)
- 3 - number of poles
- a - keying plug a has been cut off

Beispiel: R2.5/1-3a

- R2.5 - RAST 2,5 SK-System
- /1 - jede Kammer belegt (Raster 2,5 mm)
- 3 - Polzahl
- a - Kodiersteg a ist abgeschnitten

RAST 2.5 SK

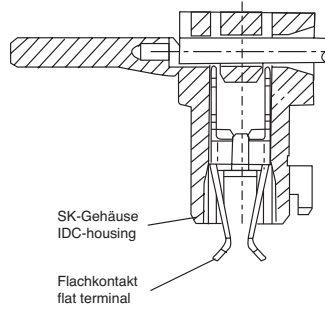
RAST 2,5 SK

Position of the terminals in the housings:

Lage der Kontakte im Gehäuse:

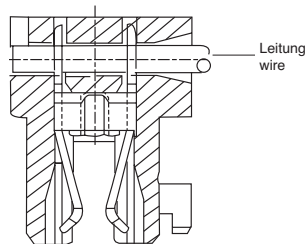
Prelatching position

Vorraststellung



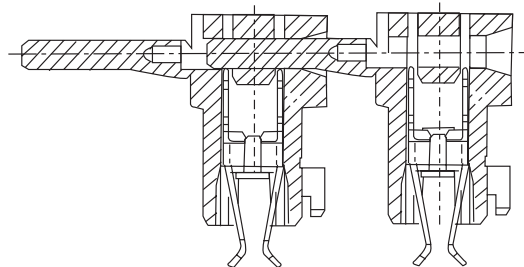
Locked-in position

Endraststellung



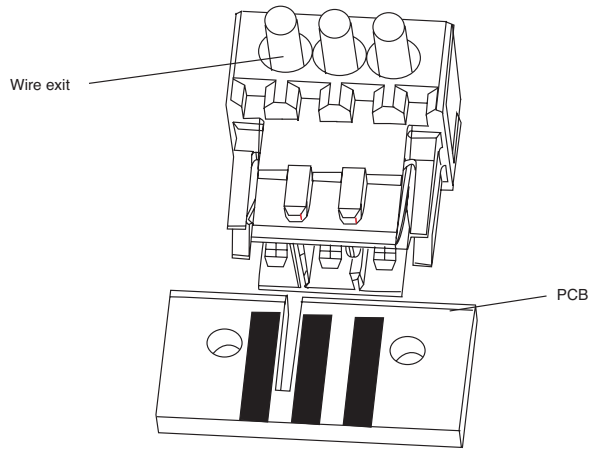
Bandolier form for processing on fully automatic machines (condition on delivery).

Ware in Stangenform magaziniert für die vollautomatische Verarbeitung (Lieferzustand)



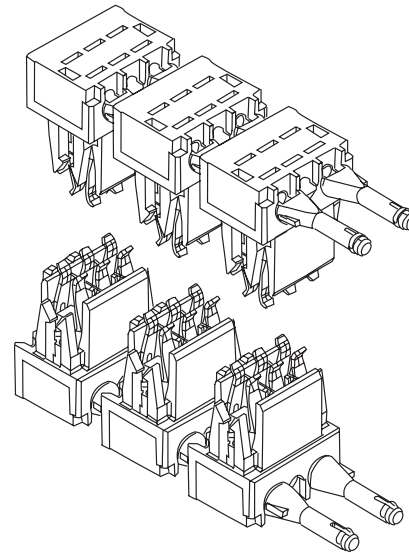
RAST 2.5 SK

With PCB-Locking device



RAST 2,5 SK

MPlatinenverrastung



| Technical Data | | Technische Daten |
|-------------------------|-------------|-----------------------|
| Housings | | Gehäuse |
| Number of poles | 3, 6, 7, 10 | Polzahl |
| Retention force locking | ≥ 10 N | Haltekraft Verrastung |

1 Measured without contacts and with a Lear gage
PCB Board thickness 1,5 ± 0,14 mm

1 Gemessen ohne Kontakte und mit Prüfllehre nach Lear Spezifikation
Leiterplattendicke 1,5 +0,14 mm

Further data see RAST 2.5 SK specification
Available on request

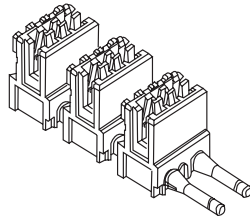
Weitere Daten in RAST 2.5 SK Spezifikation
Verfügbarkeit auf Anfrage

RAST 2.5 SK

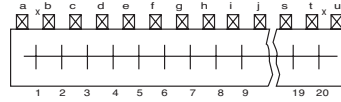
IDC - housings

RAST 2,5 SK

SK - Gehäuse



Type 1



| Type | Wire cross section qmm | No. of ways | Keying | Marking/ Colour | Part number | Specification | Foot-note |
|------|----------------------------------|--------------|---------------|----------------------|---------------|-----------------------|--------------|
| 1 | 0.35 | 3 | R2.5/1-3- | | 18103.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3 | R2.5/1-3a | | 18103.052.401 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3 | R2.5/1-3b,c | | 18103.052.402 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3/2 | R2.5/2-2- | | 18103.052.403 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3/2 | R2.5/2-2b | | 18103.052.404 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3/2 | R2.5/2-2a | | 18103.052.405 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3/2 | R2.5/2-2a,d | | 18103.052.407 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3/2 | R2.5/2-2a,b | | 18103.052.408 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3/2 | R2.5/2-2c,d | | 18103.052.409 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3/2 | R2.5/2-2b,d | | 18103.052.410 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3/2 | R2.5/2-2b,c | | 18103.052.411 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3 | R2.5/1-3d | | 18103.052.432 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3/2 | R2.5/2-2c | | 18103.052.433 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3 | R2.5/1-3c,d | | 18103.052.434 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3 | R2.5/1-3a,b | | 18103.052.436 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3/2 | R2.5/2-2a,b,d | | 18103.052.443 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3 | R2.5/1-3- | schwarz | 18103.060.415 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3/2 | R2.5/2-2d | schwarz | 18103.060.429 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3/2 | R2.5/2-2b,c,d | schwarz | 18103.060.442 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3 | R2.5/1-3- | blau | 18103.069.413 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3 | R2.5/1-3c | blau | 18103.069.417 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3/2 | R2.5/2-2c,d | blau | 18103.069.437 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3/2 | R2.5/3-2c | blau | 18103.069.446 | RAST 2,5 SK - Gehäuse | 2 |
| 1 | 0.35 | 3 | R2.5/1-3- | grün | 18103.070.416 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3 | R2.5/1-3- | violett | 18103.072.414 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3/2 | R2.5/2-2d | gelb | 18103.076.447 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3 | R2.5/1-3c | rot | 18103.080.418 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3/2 | R2.5/2-2c,d | rot | 18103.080.424 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3/2 | R2.5/2-2b,d | rot | 18103.080.430 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3 | R2.5/1-3b,d | rot | 18103.080.435 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3 | R2.5/1-3a,d | rot | 18103.080.438 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 3/2 | R2.5/1-2b,c | rot | 18103.080.439 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 3/2 | R2.5/2-2a,c,d | rot | 18103.080.440 | RAST 2,5 SK - Gehäuse | 1 |
| Typ | Nenn- quer- schnitt qmm | Pol- zahl | Kodierung | Bedruckung/ Farbe | Teile-Nr. | Bezeichnung | Fuß- note |

1 Every 2nd cavity empty (5 mm pitch)

2 Cavity 3 without contact

1 dde 2. Kammer leer (5 mm Raster)

2 Kammer 3 unbestückt

RoHS compliant

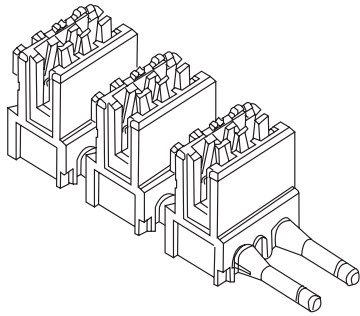
Classification of inflammability according to IEC 60335-1 : 750°C no flame

RoHS konform

Klassifizierung nach IEC 60335-1 : 750°C ohne Flamme

RAST 2.5 SK

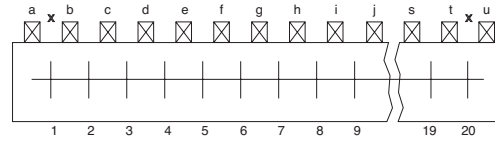
IDC - housings



RAST 2,5 SK

SK - Gehäuse

Type 1



| Type | Wire cross section qmm | No. of ways | Keying | Marking/ Colour | Part number | Specification | Foot-note |
|------------|------------------------------|-----------------|-------------------|--------------------------|------------------|-----------------------|-----------------|
| 1 | 0.35 | 4 | R2.5/1-4- | | 18104.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 4 | R2.5/1-4b,c,d | | 18104.052.414 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 4 | R2.5/1-4a,b | | 18104.052.418 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 4 | R2.5/1-4a,c,e | | 18104.052.419 | RAST 2,5 SK - Gehäuse | |
| 1 | | 4/2 | R2.5/3-2a,b,c,d,e | | 18104.052.420 | RAST 2,5 SK - Gehäuse | 2 |
| 1 | 0.35 | 4 | R2.5/1-4c,d | | 18104.052.421 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 4 | R2.5/1-4a,b,d | | 18104.052.422 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 4 | R2.5/1-4c,e | schwarz | 18104.060.405 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 4 | R2.5/1-4c,d | schwarz | 18104.060.408 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 4 | R2.5/1-4b,d | grün | 18104.070.404 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 4 | R2.5/1-4d,e | violett | 18104.072.406 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 4 | R2.5/1-4a,c | rot | 18104.080.403 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 3 | R2.5/1-3 | | 18203.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 3/2 | R2.5/2-2a | | 18203.052.403 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 3 | R2.5/1-3b | | 18203.052.407 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 3 | R2.5/1-3a,b | | 18203.052.409 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 3/2 | R2.5/2-2a,d | | 18203.052.410 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.22 | 3/2 | R2.5/2-2d | rot | 18203.080.404 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.22 | 4 | R2.5/1-4 | | 18204.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 3/2 | R2.5/1-4c | | 18204.052.403 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 3/2 | R2.5/1-4b,d,e | | 18204.052.404 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 4 | R2.5/1-4c,d | schwarz | 18204.060.401 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 4 | R2.5/1-4b,c | orange | 18204.074.402 | RAST 2,5 SK - Gehäuse | |
| Typ | Nenn-quer-schnitt qmm | Pol-zahl | Kodierung | Bedruckung/ Farbe | Teile-Nr. | Bezeichnung | Fuß-note |

1 Every 2nd cavity empty (5 mm pitch)
 1 de 2. Kammer leer (5 mm Raster)

2 Cavity 2 and 4 without contact
 2 Kammer 2 und 4 unbestückt

RoHS compliant

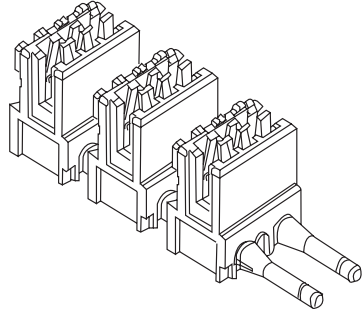
Classification of inflammability according to IEC 60335-1 : 750°C no flame

RoHS konform

Klassifizierung nach IEC 60335-1 : 750°C ohne Flamme

RAST 2.5 SK

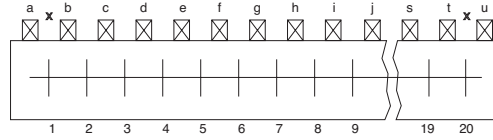
IDC-housings



RAST 2,5 SK

SK-Gehäuse

Type 1



| Type | Wire cross section qmm | No. of ways | Keying | Marking/ Colour | Part number | Specification | Foot-note |
|------|------------------------|-------------|---------------------|-------------------|---------------|-----------------------|-----------|
| 1 | 0.35 | 5 | R2.5/1-5- | | 18105.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 5 | R2.5/1-5a.d.f | | 18105.052.410 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 5 | R2.5/1-5c.d | | 18105.052.417 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 5 | R2.5/1-5d.f | | 18105.052.419 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 5/3 | R2.5/2-3c.d.e | | 18105.052.425 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 5 | R2.5/1-5c.d.e | | 18105.052.427 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 5/2 | R2.5/3-2e.f | | 18105.052.428 | RAST 2,5 SK - Gehäuse | 2 |
| 1 | 0.35 | 5/3 | R2.5/2-3b.d.e | | 18105.052.430 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 5 | R2.5/1-5a.b.c.e | schwarz | 18105.060.408 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 5/3 | R2.5/2-3a.d.e | grün | 18105.070.422 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 5 | R2.5/1-5a.b.d | rot | 18105.080.404 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 6 | R2.5/1-6- | | 18106.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 6 | R2.5/1-6c.e | | 18106.052.409 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 6/4 | R2.5/3-4b.d.e.f | | 18106.052.419 | RAST 2,5 SK - Gehäuse | 3 |
| 1 | 0.35 | 6 | R2.5/1-6b.c.d.e.f | | 18106.052.422 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 6 | R2.5/1-6a.c.d.e.f.g | | 18106.052.423 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 6 | R2.5/1-6b.c | | 18106.052.425 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 6 | R2.5/1-6c.e.f.g | | 18106.052.428 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 6 | R2.5/1-6a.d.e.f.g | | 18106.052.429 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 6 | R2.5/1-6b.c.e | | 18106.052.433 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 6 | R2.5/1-6b.d.e.g | | 18106.052.434 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 6/4 | R2.5/3-4 | | 18106.052.435 | RAST 2,5 SK - Gehäuse | 3 |
| 1 | 0.35 | 6/4 | R2.5/3-4b.d.e.f | blue | 18106.069.436 | RAST 2,5 SK - Gehäuse | 3 |
| 1 | 0.22 | 5 | R2.5/1-5 | | 18205.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 5 | R2.5/1-5b,e,f | | 18205.052.403 | RAST 2,5 SK - Gehäuse | |
| Typ | Nenn-quer-schnitt qmm | Pol-zahl | Kodierung | Bedruckung/ Farbe | Teile-Nr. | Bezeichnung | Fuß-note |

1 Every 2nd cavity empty (5 mm pitch)
1 öde 2. Kammer leer (5 mm Raster)

2 Cavity 2, 3 and 4 without contact
2 Kammer 2, 3 und 4 unbestückt

3 Cavity 2 and 4 without contact
3 Kammer 2 und 4 unbestückt

RoHS compliant

Classification of inflammability according to IEC 60335-1 : 750°C no flame

RoHS konform

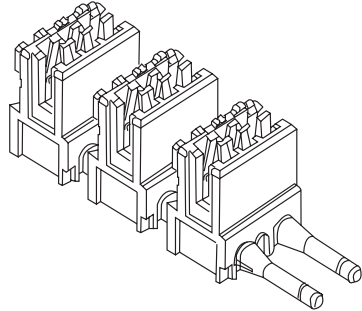
Klassifizierung nach IEC 60335-1 : 750°C ohne Flamme

RAST 2.5 SK

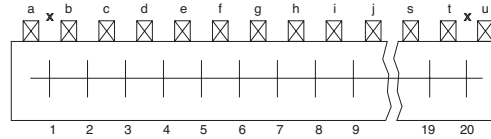
IDC-housings

RAST 2,5 SK

SK-Gehäuse



Type 1



| Type | Wire cross section qmm | No. of ways | Keying | Marking/ Colour | Part number | Specification | Foot-note |
|------|------------------------|-------------|---------------------------|-------------------|---------------|-----------------------|-----------|
| 1 | 0.35 | 7 | R2.5/1-7- | | 18107.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 7/4 | R2.5/2-4b,c,e,f | | 18107.052.414 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 7/4 | R2.5/2-4c,d,e,f,g | | 18107.052.418 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 7/4 | R2.5/2-4d,f | | 18107.052.419 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 7 | R2.5/1-7b,c,f,h | | 18107.052.420 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 7/4 | R2.5/2-4a,b,c,d,e | | 18107.074.416 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 7 | R2.5/1-7a,c,e,f,h | | 18107.076.426 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 7/4 | R2.5/2-4a,e,g | | 18107.080.413 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 7/4 | R2.5/2-4a,d,e,g | | 18107.080.425 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 8 | R2.5/1-8- | | 18108.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 8 | R2.5/1-8b,c,g,h | | 18108.052.402 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 8 | R2.5/1-8a,b,c,d,g,h | | 18108.052.404 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 8 | R2.5/1-8b,c,d,e,f,g | | 18108.052.405 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 8/7 | R2.5/3-7b,c,d,f,g,h,i | | 18108.052.408 | RAST 2,5 SK - Gehäuse | 2 |
| 1 | 0.35 | 8 | R2.5/1-8a,b,d,f,h,i | | 18108.060.410 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 9 | R2.5/1-9- | | 18109.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 9/5 | R2.5/2-5a,b,e,f,g,h,i,j | | 18109.052.407 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 9/5 | R2.5/2-5a,b,d,e,f,g,h,i,j | | 18109.052.409 | RAST 2,5 SK - Gehäuse | 1 |
| 1 | 0.35 | 9 | R2.5/1-9b,c,e,f,g,i | | 18109.052.410 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 9/6 | R2.5/3-6a,c,e,f,g,h,i | | 18109.052.411 | RAST 2,5 SK - Gehäuse | 3 |
| 1 | 0.22 | 7 | R2.5/1-7 | | 18207.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 8 | R2.5/1-8 | | 18208.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 8 | R2.5/1-8b,e,f,g | | 18208.052.402 | RAST 2,5 SK - Gehäuse | |
| Typ | Nenn-quer-schnitt qmm | Pol-zahl | Kodierung | Bedruckung/ Farbe | Teile-Nr. | Bezeichnung | Fuß-note |

1 Every 2nd cavity empty (5 mm pitch) 2 Cavity 2 without contact 3 Cavity 2, 4 and 6 without contact
 1 Jede 2. Kammer leer (5 mm Raster) 2 Kammer 2 unbestückt 3 Kammer 2, 4 und 6 unbestückt

RoHS compliant
 Classification of inflammability according to IEC 60335-1 : 750°C no flame
 RoHS konform
 Klassifizierung nach IEC 60335-1 : 750 °C ohne Flamme

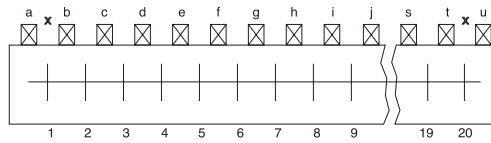
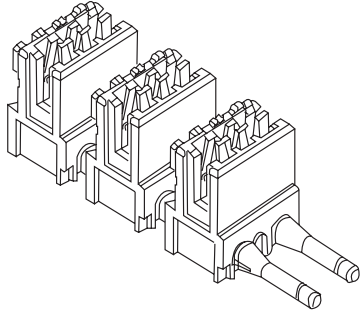
RAST 2.5 SK

IDC-housings

RAST 2,5 SK

SK-Gehäuse

Type 1



| Type | Wire cross section qmm | No. of ways | Keying | Marking/ Colour | Part number | Specification | Foot-note |
|------|------------------------|-------------|--|-----------------|----------------------|-----------------------|-----------|
| 1 | 0.35 | 10 | R2.5/1-10- | | 18110.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 10 | R2.5/1-10b,c,d,g,h,i | | 18110.052.406 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 11/6 | R2.5/2-6c,d,e,h,i,j | | 18111.052.407 | RAST 2,5 SK - Gehäuse | *1 |
| 1 | 0.35 | 11/6 | R2.5/2-6b,c,e,f,i,j,k,l | | 18111.052.408 | RAST 2,5 SK - Gehäuse | *1 |
| 1 | 0.35 | 13 | R2.5/1-13- | | 18113.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.35 | 13/7 | R2.5/2-7a,b,d,e,f,g,h,i,j,m | | 18113.052.401 | RAST 2,5 SK - Gehäuse | *1 |
| 1 | 0.35 | 13/7 | R2.5/2-7a,b,d,e,f,g,h,i,j,k,l,m | | 18113.052.404 | RAST 2,5 SK - Gehäuse | *1 |
| 1 | 0.35 | 15/8 | R2.5/2-8a,b,c,d,e,f,g,h,j,k,m,n | | 18115.052.402 | RAST 2,5 SK - Gehäuse | *1 |
| 1 | 0.35 | 19/10 | R2.5/2-10a,b,c,d,e,f,g,h,j,k,m,n,q,r,s,t | rot | 18119.080.401 | RAST 2,5 SK - Gehäuse | *1 |
| 1 | 0.22 | 10 | R2.5/1-10 | | 18210.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 10 | R2.5/1-10a,b,c,e,h,i,k | | 18210.052.401 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 12 | R2.5/1-12 | | 18212.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 13 | R2.5/1-13 | | 18213.052.400 | RAST 2,5 SK - Gehäuse | |
| 1 | 0.22 | 17 | R2.5/1-17 | | 18217.052.400 | RAST 2,5 SK - Gehäuse | |
| Typ | Nenn-quer-schnitt qmm | Pol-zahl | Kodierung | | Teile-Nr. | Bezeichnung | Fuß-note |

*1 Every 2nd cavity empty (5 mm pitch)

*1 Jede 2. Kammer leer (5 mm Raster)

RoHS compliant

Classification of inflammability according to IEC 60335-1 : 750° C no flame

RoHS konform

Klassifizierung nach IEC 60335-1 : 750° C ohne Flamme

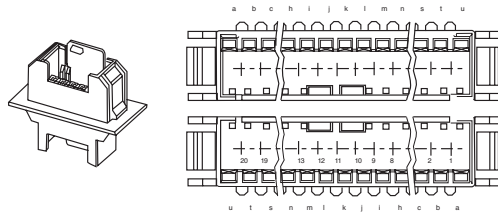
RAST 2.5 SK

Tandem pin shells

RAST 2,5 SK

Doppelwannen

Type 1



| Type | No. of ways | Keying | Colour | Part number | Specification |
|------|-------------|------------|--------|---------------|-----------------------------|
| 1 | 8 | R2.5/1-8- | natur | 17884.052.400 | RAST 2.5 - Doppelstiftwanne |
| 1 | 8 | R2.5/1-8- | grau | 17884.087.400 | RAST 2.5 - Doppelstiftwanne |
| 1 | 5 | R2.5/1-5- | natur | 17978.052.400 | RAST 2.5 - Doppelstiftwanne |
| 1 | 10 | R2.5/1-10- | blau | 17979.067.400 | RAST 2.5 - Doppelstiftwanne |
| 1 | 6 | R2.5/1-6- | natur | 17981.052.400 | RAST 2.5 - Doppelstiftwanne |
| 1 | 7 | R2.5/1-7- | gelb | 17982.066.400 | RAST 2.5 - Doppelstiftwanne |
| Typ | Pol-zahl | Kodierung | Farbe | Teile-Nr. | Bezeichnung |

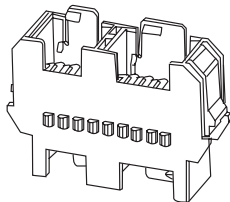
RoHS compliant

Classification of inflammability according to IEC 60335-1 : 750°C no flame

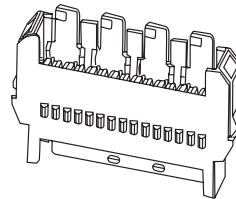
RoHS konform

Klassifizierung nach IEC 60335-1 : 750 °C ohne Flamme

Type 1



Type 2



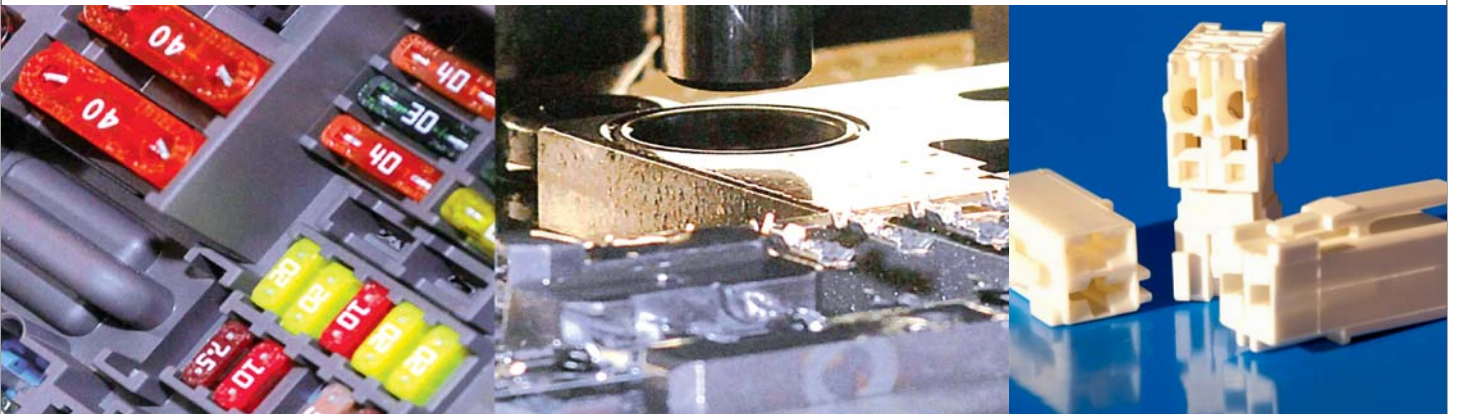
| Type | No. of ways | Part number | Specification | Colour |
|------|-------------|---------------|-----------------------------|--------|
| 1 | 3x | 17904.052.000 | RAST 2.5 - Doppelstiftwanne | natur |
| 2 | 4x2 | 17905.052.000 | RAST 2.5 - Doppelstiftwanne | natur |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Farbe |

RAST 5

Connector Systems pitch 5 mm
in IDC and Crimping Technology

RAST 5

Steckverbindersysteme Rastermaß 5 mm
in Schneidklemm- und Crimptechnik



RAST 5

Connector system in IDC and crimping technology

The **RAST 5** systems are designed as direct and indirect connector systems for connections to electrical components and printed circuit boards. They meet the demands of modern, economical wire production.

RAST 5 SK connectors in IDC technology are suitable for modular structure harnesses. They can be processed fully automatically in one stroke. The terminals have two insulation displacement contacts and are pre-mounted in the housings. The upper part of the housing accommodates the wires.

RAST 5 SK

- max. 6 A current rating
- insulation displacement contact for indirect contacting electrical components
- housings with external and internal locks

RAST 5 SK

- max. 16 A current rating
- insulation displacement contact for indirect contacting of electrical components
- housings with external locks

RAST 5 D SK

- max. 6 A current rating
- insulation displacement contact for direct contacting of printed circuit boards
- housings with external locks

RAST 5

- housings for double-leaf spring crimp terminals for indirect contacting of electrical components
- housings with external locks

RAST 5

Steckverbindersysteme in Schneidklemmtechnik und Crimptechnik

Die **RAST 5** Systeme sind als direkte und indirekte Steckverbindersysteme für den Anschluß an Elektrokomponenten und Leiterplatten konstruiert. Sie entsprechen den Anforderungen einer wirtschaftlichen modernen Leitungsfertigung.

RAST 5 SK Steckverbinder in Schneidklemmtechnik eignen sich für den modularen Aufbau von Verdrahtungen. Sie lassen sich in einem Arbeitshub vollautomatisch verarbeiten. Die Schneidklemmkontakte besitzen zwei Schneidklemmen und sind in den Gehäusen vormontiert. Das Gehäuseoberteil dient zur Aufnahme der Leitungen.

RAST 5 SK

- bis 6 A belastbar
- Verbinder in Schneidklemmtechnik für den indirekten Anschluß an Elektrokomponenten
- Gehäuse mit Außen- und Innenrastung

RAST 5 SK

- bis 16 A belastbar
- Verbinder in Schneidklemmtechnik für den indirekten Anschluß an Elektrokomponenten
- Gehäuse mit Außenrastung

RAST 5 D SK

- bis 6 A belastbar
- Verbinder in Schneidklemmtechnik für das direkte Stecken auf Leiterplatte
- Gehäuse mit Außenrastung

RAST 5

- Gehäuse für Doppelflachfederkontakte in Crimptechnik für den indirekten Anschluß an Elektrokomponenten
- Gehäuse mit Außenrastung

RAST 5 SK

max. 6 A current rating

Insulation displacement connectors for contacting electrical components

The connectors of this system have a current rating of max. 6 A at a surrounding temperature of 70° Centigrade.

The IDC-connectors have either

- external lock or
- internal lock

The terminals are preassembled in the housings. They have two insulation displacement contacts. The housing cover accommodates the wires and by closing the cover, all the wires of a connector are automatically contacted in one operation.

Characteristics

- good contact pressure

Use

- for contacting electrical components

Terminals

- with two insulation displacement contacts

Housings

- 2-9 way with external lock
- keying according to RAST 5

Delivery form

- in bandolier form

RAST 5 SK

bis 6 A belastbar

Schneidklemmverbinder zum Kontaktieren von Elektrokomponenten

Die Verbinder dieses Systems sind bis maximal 6 A bei einer Umgebungstemperatur von 70°C belastbar.

Die SK-Verbinder verfügen wahlweise über

- Außenrastung
- Innenrastung

Die Kontakte sind in den Gehäusen vormontiert. Sie besitzen zwei Schneidklemmen. Der Gehäusedeckel dient zur Aufnahme der Leitungen; durch Schließen des Deckels werden in einem Arbeitsgang alle Leitungen eines Verbinders kontaktiert.

Eigenschaften

- guter Kontaktdruck

Einsatz

- zum Kontaktieren von Elektrokomponenten

Kontakte

- mit zwei Schneidklemmen

Gehäuse

- 2-9 polig mit Außenrastung
- Kodierung gemäß RAST 5

Lieferform

- in Stangenform magaziniert für maschinelle Verarbeitung

RAST 5 SK

max. 6 A current rating

RAST 5 SK

bis 6 A belastbar

| Technical Data | | Technische Daten |
|--|----------------|---|
| Terminals | | Kontakte |
| Wire cross section | 0,35-0,75 qmm | Leiternquerschnitt |
| Conductor configuration 7-cores tinned, wire homologation only by LEAR | | Leiteraufbau 7-drähtig, verzinkt, Leitungsfreigabe nur durch LEAR |
| Shore hardness | 95 ±,5 Shore A | Isolationshärte |
| Rated voltage | 220 V | Nennspannung |
| Current rating per contact | max. 6 A | Strombelastbarkeit je Durchgang |
| Operating temperature | 105°C | Betriebstemperatur |
| Ambient temperature | max 70°C | Umgebungstemperatur |
| Insertion force per contact | max. 8 N | Aufsteckkraft pro Kontakt |
| Withdrawal force per contact | min 2 N | Abziehkraft pro Kontakt |
| Contact material | CuSn | Kontaktmaterial |
| Contact surface: tinned | | Kontaktoberfläche: verzinkt |

| Technical Data | | Technische Daten |
|---|-------------------|---|
| Housings | | Gehäuse |
| Pitch 5 mm, side by side mounting without loss of contact | | Raster 5 mm, anreihbar ohne Kontaktverlust |
| Number of poles • 2-5 way with internal lock • 2-9 way with external lock | | Polzahl • 2-5 polig mit Innenrastung • 2-9 polig mit Außenrastung |
| Colour: marked according to RAST 5 | | Farbe: markiert gemäß RAST 5 |
| Keying: according to RAST 5 | | Kodierung: gemäß RAST 5 |
| Dielectric strength of housing material | 31,5 k V/mm | Durchschlagfestigkeit des Gehäusematerials |
| Contact resistance (IDC and contact) | max. 8mΩ | Kontaktübergangswiderstand (SK und Kontakt) |
| Creepage and clearance at | ≤ 3mm 250 V AC | Luf-/Kriechstrecke bei |
| Track resistance | | Kriechstromfestigkeit |
| Material of housings | Polyamid | Gehäusewerkstoff |
| UL classification | UL94 V-2 | UL-Einstufung |
| Insulation displacement connection, requirements and tests according to DIN 41611 part 6 | | Schneidklemmverbindung Begriffe, Kennwerte, Anforderungen u. Prüfungen nach DIN 41611 Teil 6 |
| Report for applicant information according to DIN VDE 0627 file-no. 4813-1432-4018 and DIN EN 60998 part 2-3 UL-certification UL File No. E 177472 | | Prüfbericht zur Information des Auftraggebers nach DIN VDE 0672 mit VDE-Aktenzeichen 4813-1432-4018 und DIN EN 60998 Teil 2-3, UL-Approval UL File Nr. 177472 |
| VDE certificate of conformity in conjunction with factory surveillance no. | 115823 | VDE Gutachten mit Fertigungsüberwachung Nr.: |

RAST 5 SK

IEC 60335-1 / RoHS

IEC 60335-1

All RAST 5 SK series connectors with no. 4 at the beginning of the last 3-digit block are with classification of inflammability according to IEC 60335-1 : 750°C no flame

Example:

| | |
|---------------|-----------------|
| 18412.052.021 | Standard |
| 18412.052.421 | 750 °C no flame |

RoHS compliant

All connectors of serie RAST 5 SK are always EU RoHS compliant

RAST 5 SK

IEC 60335-1 / RoHS

IEC 60335-1

Alle Steckverbinder der Serie RAST 5 SK, die im letzten Dreierblock der Artikelbezeichnung mit einer 4 beginnen, sind klassifiziert nach IEC 60335-1 : 750 °C ohne Flamme

Beispiel:

| | |
|---------------|-----------------|
| 18412.052.021 | Standard |
| 18412.052.421 | 750 °C no flame |

RoHS konform

Alle Steckverbinder der Serie RAST 5 SK sind RoHS konform

RAST 5 SK

max. 6 A current rating

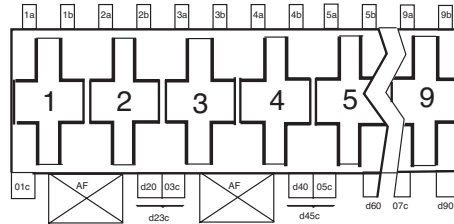
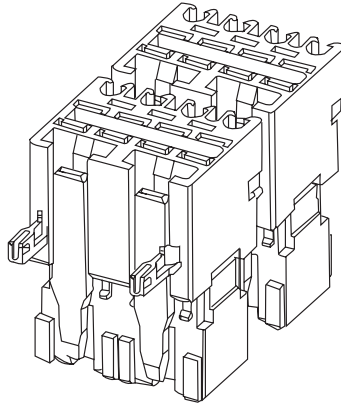
RAST 5 SK

bis 6 A belastbar

Housing with external lock

Gehäuse mit Außenrastung

Type 1



| Type | No. of ways | Keying | RAST 5 specification | Locking between cavity | Marking/ Colour | Part number | Specification |
|------|-------------|---------------|----------------------|-------------------------|-------------------|---------------|---------------------|
| 1 | 2 | 1b,2a,01c,d20 | 02-A | 1/2 | | 18412.052.001 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1a,2b,d20 | | 1/2 | | 18412.052.021 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1b,d20 | | 1/2 | | 18412.052.025 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1b,2a,01c,d20 | 02-A | 1/2 | | 18412.052.401 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1a,2b,d20 | | 1/2 | | 18412.052.421 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1a,2b,01c | 02-B | 1/2 | schwarz | 18412.060.002 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1a,2b,01c | 02-B | 1/2 | schwarz | 18412.060.402 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1a,2b,d20 | | 1/2 | schwarz | 18412.060.419 | RAST 5 SK - Gehäuse |
| 1 | 2 | 2a,01c,d20 | 02-C | 1/2 | grau | 18412.068.003 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1b,2a,2b | | 1/2 | blau | 18412.069.031 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1a,1b,01c | 02-D | 1/2 | blau | 18412.069.404 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1b,2a,2b | | 1/2 | blau | 18412.069.431 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1a,2b,d20 | 02-E | 1/2 | grün | 18412.070.005 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1a,2b,d20 | 02-E | 1/2 | grün | 18412.070.405 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1b,2b,01c | 02-I | 1/2 | orange | 18412.074.409 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1a,2a,01c | 02-K | 1/2 | gelb-grün | 18412.075.010 | RAST 5 SK - Gehäuse |
| 1 | 2 | 2b | 02-L | 1/2 | gelb | 18412.076.011 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1a,1b,d20 | 02-N | 1/2 | beige | 18412.078.413 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1b,2a,01c | 02-O | 1/2 | rosa | 18412.079.414 | RAST 5 SK - Gehäuse |
| 1 | 2 | 1b,d20 | | 1/2 | purpurrot | 18412.080.425 | RAST 5 SK - Gehäuse |
| Typ | Pol-zahl | Kodierung | RAST 5 Bez. | Rastung zwischen Kammer | Bedruckung/ Farbe | Teile-Nr. | Bezeichnung |

RAST 5 SK

max. 6 A current rating

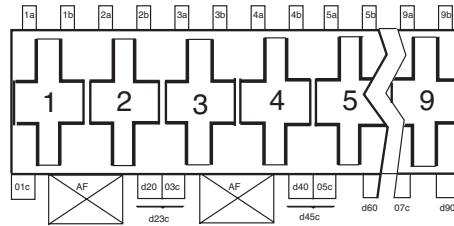
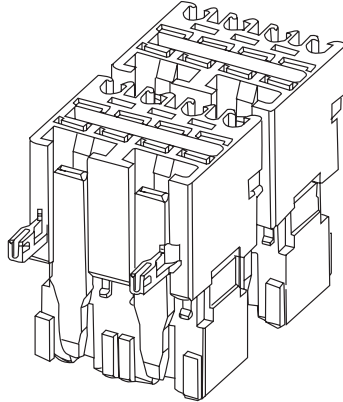
RAST 5 SK

bis 6 A belastbar

Housing with external lock

Gehäuse mit Außenrastung

Type 1



| Type | No. of ways | Keying | RAST 5 specification | Locking between cavity | Marking/ Colour | Part number | Specification |
|------|-------------|---------------|----------------------|-------------------------|-------------------|----------------------|---------------------|
| 1 | 3 | 1b,01c,d20 | 03-A | 1/2 | | 18413.052.001 | RAST 5 SK - Gehäuse |
| 1 | 3 | 1b,01c,d20 | 03-A | 1/2 | | 18413.052.401 | RAST 5 SK - Gehäuse |
| 1 | 3 | 2b,3b,d10,02c | 03-B | 2/3 | schwarz | 18413.060.002 | RAST 5 SK - Gehäuse |
| 1 | 3 | 2b,3b,d10,02c | 03-B | 2/3 | schwarz | 18413.060.402 | RAST 5 SK - Gehäuse |
| 1 | 3 | 1a,03c | 03-D | 1/2 | blau | 18413.069.004 | RAST 5 SK - Gehäuse |
| 1 | 3 | 2b,d20 | 03-H | 1/2 | schwarz | 18413.073.408 | RAST 5 SK - Gehäuse |
| Typ | Pol-zahl | Kodierung | RAST 5 Bez. | Rastung zwischen Kammer | Bedruckung/ Farbe | Teile-Nr. | Bezeichnung |

RAST 5 SK

max. 6 A current rating

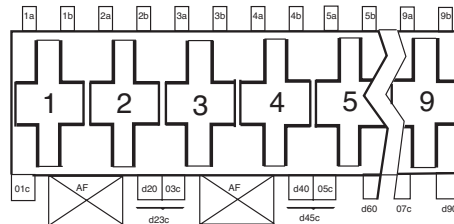
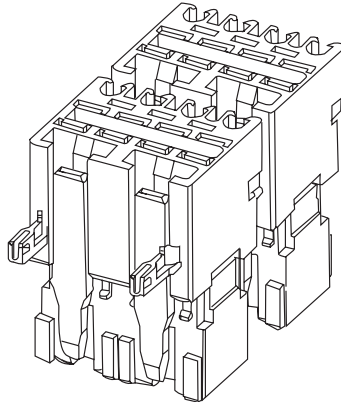
RAST 5 SK

bis 6 A belastbar

Housings with external lock

Gehäuse mit Außenrastung

Type 1



| Type | No. of ways | Keying | RAST 5 specification | Locking between cavity | Marking/ Colour | Part number | Specification |
|------|-------------|--|----------------------|-------------------------|-------------------|----------------------|---------------------|
| 1 | 4 | 1b,03c,d40 | 04-A | 1/2,3/4 | | 18414.052.401 | RAST 5 SK - Gehäuse |
| 1 | 5 | 4a,05c | | 1/2,3/4 | | 18415.052.007 | RAST 5 SK - Gehäuse |
| 1 | 5 | 2b,d20 | 05-B | 1/2,4/5 | schwarz | 18415.060.005 | RAST 5 SK - Gehäuse |
| 1 | 5 | 2b,d20,d30 | | 1/2,4/5 | schwarz | 18415.060.008 | RAST 5 SK - Gehäuse |
| 1 | 5 | 2b,d20,d30 | | 1/2,4/5 | schwarz | 18415.060.408 | RAST 5 SK - Gehäuse |
| 1 | 6 | 1b,5a,d10,06c | | 2/3, 4/5 | | 18416.052.003 | RAST 5 SK - Gehäuse |
| 1 | 6 | 1b,5b,6a,d20,03c d40,05c,d60 | | 1/2,5/6 | | 18416.052.005 | RAST 5 SK - Gehäuse |
| 1 | 6 | 1b,5b,6a,d20,03c d40,05c,d60 | | 1/2,5/6 | | 18416.052.405 | RAST 5 SK - Gehäuse |
| 1 | 7 | 1a,2a,2b,3a,3b, 4b,5a,6a,6b,7a, 7b,d20,d60 | | 1/2,5/6 | | 18417.052.004 | RAST 5 SK - Gehäuse |
| 1 | 7 | 1a,2a,2b,3a,3b, 4b,5a,6a,6b,7a, 7b,D20,d60 | | 1/2,5/6 | | 18417.052.404 | RAST 5 SK - Gehäuse |
| 1 | 7 | 5b,d30,d70 | 07-C | 1/2,6/7 | grau | 18417.068.005 | RAST 5 SK - Gehäuse |
| Typ | Pol-zahl | Kodierung | RAST 5 Bez. | Rastung zwischen Kammer | Bedruckung/ Farbe | Teile-Nr. | Bezeichnung |

RAST 5 D SK

max 6 A current rating

Insulation displacement contacts for direct connection onto printed circuit boards

The system is designed for direct connection onto 1.5 ±0.2 mm printed circuit boards according to DIN 40801.

The housings have an external lock.

The terminals have two insulation displacement contacts and are pre-mounted in the housings. The upper part of the housing accommodates the wires; when the upper and lower parts of the housing are pressed together; all the wires of a connector are contacted in one operation.

Characteristics

- good contact pressure

Use

- for direct insertion onto circuit boards 1.5 ±0.2 mm, according to DIN 40801

Terminals

- two insulation displacement contacts

Housings

- 2-9 way
- with external lock
- with keying according to RAST 5

Delivery form

- in bandolier form

RAST 5 D SK

bis 6 A belastbar

Schneidklemmverbinder zum direkten Stecken auf Leiterplatten

Die SK-Verbinder dieses Systems sind für das direkte Stecken auf Leiterplatten 1,5 ±0,2 mm nach DIN 40801 ausgelegt.

Die SK-Verbinder verfügen über Außenrastung.

Die Kontakte sind in den Gehäusen vormontiert. Sie besitzen zwei Schneidklemmen. Das Gehäuseoberteil dient zur Aufnahme der Leitungen; durch Zusammendrücken von Gehäuseober- und Gehäuseunterteil werden in einem Arbeitsgang alle Leitungen eines Verbinders kontaktiert.

Eigenschaften

- guter Kontaktdruck

Einsatz

- zum direkten Stecken auf Leiterplatten 1,5 ±0,2 mm nach DIN 40801

Kontakte

- zwei Schneidklemmen

Gehäuse

- 2-9 polig
- mit Außenrastung
- mit Kodierung

Lieferform

- in Stangenform magaziniert für maschinelle Verarbeitung

RAST 5 D SK

max. 6 A current rating

RAST 5 D SK

bis 6 A belastbar

| Technical Data | | Technische Daten |
|---|---------------|---|
| Terminals | | Kontakte |
| Wire cross section | 0.35-0.75 qmm | Leiternquerschnitt |
| Conduct or configuration 7-cores, tinned, wire homologation only LEAR | | Leiteraufbau 7-drähtig, verzinkt, Leitungsfreigabe nur durch LEAR |
| Shore hardness | 95± 5 Shore A | Isolationshärte |
| Rated voltage | 220 V | Nennspannung |
| Current rating per contact | max. 6 A | Strombelastbarkeit & Durchgang |
| Operating temperature | 150°C | Betriebstemperatur |
| Ambient temperature | max. 70°C | Umgebungstemperatur |
| Insertion force | max. 10N | Aufsteckkraft pro Kontakt |
| Withdrawal force | min. 1.5 N | Abziehungskraft pro Kontakt |
| Contact material | CuSn | Kontaktmaterial |
| Contact surface: tinned | | Kontaktoberfläche: verzinkt |

| Technical Data | | Technische Daten |
|--|-----------------------------|---|
| Housing | | Gehäuse |
| Pitch 5 mm, side by side mounting without loss of contact | | Raster 5 mm, anreihbar ohne Kontaktverlust |
| Number of poles: 2-9 way | | Polzahl: 2-9 polig |
| Colour: marked according to RAST 5 | | Farbe: markiert gemäß RAST 5 |
| Keying: according to RAST 5 | | Kodierung: gemäß RAST 5 |
| Dielectric strength of housing material | 31,5 k V/mm | Durchschlagfestigkeit des Gehäusematerials |
| Contact resistance (IDC and contact) | max. 8 mΩ | Kontaktübergangswiderstand (SK und Kontakt) |
| Creepage and clearance at | ≥ 3 mm 250 V AC | Luft-/ Kriechstrecke bei |
| Track resistance | CTI ≥ 600 | Kriechstromfestigkeit |
| Material of housing | Polyamid | Gehäusewerkstoff |
| UL classification | UL 94 V-2 | UL-Einstufung |
| Insulation displacement connection, requirements and tests according to DIN 41611 part 6 | | Scheidklemmverbindung Begriffe, Kennwerte, Anforderungen u. Prüfungen nach DIN 41611 Teil 6 |
| Matching plug printed circuit board | DIN IEC 326 Teil 3/03.85 | Gegenstecker Leiterkarte |
| Material: Glas filled epoxyresin board | | Material: Epoxidharz - Glashartgewebe |
| Thickness including track | 1,6 mm | Steckdicke einschl. Kaschierung |
| Track, single sided | Cu | Kaschierung, einseitig |
| Surface | Sn (> 5µm) | Oberfläche |
| Report for applicant information according to DIN VDE 0627 file-no 4813-1432-4018 and DIN EN 60998 part 2-3. U-certificate U L File No. E 177472 | | Prüfbericht zur Information des Auftraggebers nach DIN VDE 0672 mit VDE-Aktenzeichen 4813-1432-4018 und DIN EN 60998 Teil 2-3. U-Approval UL File Nr. E 177472. |
| VDE certificate of conformity in conjunction with factory surveillance no.: | 115823 | VDE Gutachten mit Fertigungsüberwachung Nr.: |

RAST 5 D SK

max. 6 A current rating

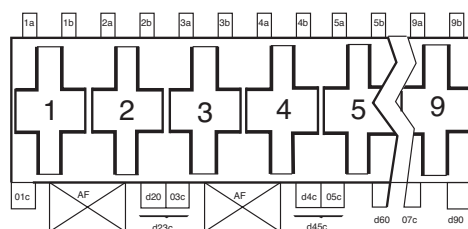
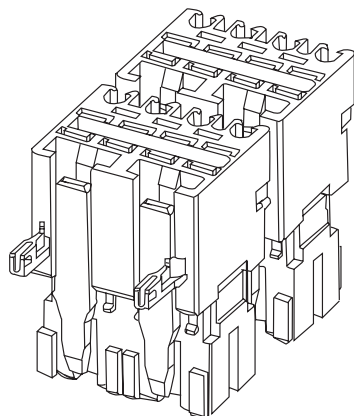
RAST 5 D SK

bis 6 A belastbar

Housing with external lock

Gehäuse mit Außenrastung

Type 1



| Type | No. of ways | Keying | RAST 5 specification | Locking between cavity | Marking/ Colour | Part number | Specification |
|------|-------------|----------------------|----------------------|-------------------------|-------------------|----------------------|----------------------|
| 1 | 2 | 1a, 2a, 2b, 01c, d20 | | 1/2 | | 18422.052.027 | RAST 5D SK - Gehäuse |
| 1 | 2 | 1a, 1b, 2a, 01c | | 1/2 | | 18422.052.422 | RAST 5D SK - Gehäuse |
| 1 | 2 | 1a, 1b, 2a, 01c, d20 | | 1/2 | | 18422.052.431 | RAST 5D SK - Gehäuse |
| 1 | 2 | 1a, 1b, 01c | | 1/2 | | 18422.052.432 | RAST 5D SK - Gehäuse |
| 1 | 2 | 1b, 2a, 2b, 01c | | 1/2 | schwarz | 18422.060.028 | RAST 5D SK - Gehäuse |
| 1 | 2 | 1a, 1b, 01c | 02-D | 1/2 | blau | 18422.069.004 | RAST 5D SK - Gehäuse |
| 1 | 2 | 1a, 1b, 2b, 01c | | 1/2 | purpurrot | 18422.080.023 | RAST 5D SK - Gehäuse |
| 1 | 2 | 2a, 2b, 01c | | 1/2 | resedagrün | 18422.085.017 | RAST 5D SK - Gehäuse |
| Typ | Pol-zahl | Kodierung | RAST 5 Bez. | Rastung zwischen Kammer | Bedruckung/ Farbe | Teile-Nr. | Bezeichnung |

RAST 5 D SK

max. 6 A current rating

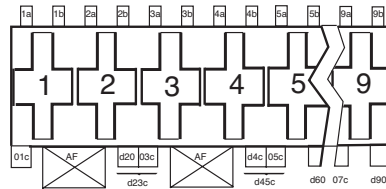
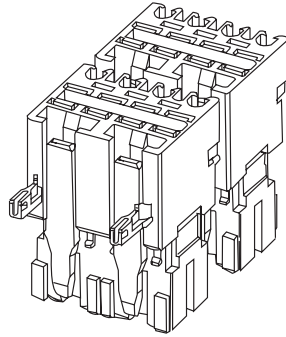
RAST 5 D SK

bis 6 A belastbar

Housing with external lock

Gehäuse mit Außenrastung

Type 1



| Type | No. of ways | Keying | RAST 5 specification | Locking between cavity | Marking/ Colour | Part number | Specification |
|------|-------------|----------------------------------|----------------------|-------------------------|-------------------|----------------------|----------------------|
| 1 | 3 | 1b, 01c, d20 | 03-A | 1/2 | | 18423.052.001 | RAST 5D SK - Gehäuse |
| 1 | 3 | 1b, 2a, 2b, 3a, 01c, d20 | | 1/2 | | 18423.052.412 | RAST 5D SK - Gehäuse |
| 1 | 3 | 2a, 2b, 01c, d20 | | 1/2 | | 18423.052.413 | RAST 5D SK - Gehäuse |
| 1 | 3 | 3b, 01c, d30 | 03-K | 2/3 | gelb-grün | 18423.075.010 | RAST 5D SK - Gehäuse |
| 1 | 3 | 3b, 01c, d30 | 03-K | 2/3 | gelb-grün | 18423.075.410 | RAST 5D SK - Gehäuse |
| 1 | 3 | 1b, 01c, d20 | 03-A | 1/2 | purpurrot | 18423.080.401 | RAST 5D SK - Gehäuse |
| 1 | 4 | 1b, 2a, 2b, 3b, 4a, 4b, 01c, d40 | | 1/2,3/4 | | 18424.052.002 | RAST 5D SK - Gehäuse |
| 1 | 4 | 1a, 1b, 2b, 3a, 4a, 4b, 01c, d40 | | 1/2,3/4 | | 18424.052.009 | RAST 5D SK - Gehäuse |
| 1 | 4 | 1b, 2a, 2b, 3a, 4a, 4b, 03c, d40 | | 1/2 | | 18424.052.010 | RAST 5D SK - Gehäuse |
| 1 | 4 | 1a, 2a, 2b, 3a, 3b, 4b, 01c, d40 | | 1/2,3/4 | | 18424.052.011 | RAST 5D SK - Gehäuse |
| 1 | 4 | 1a, 1b, 2a, 3a, 3b, 4a, 03c, d40 | | 1/2,3/4 | | 18424.052.408 | RAST 5D SK - Gehäuse |
| 1 | 4 | 1a, 1b, 4a, 01c d40 | | 1/2,3/4 | | 18424.052.413 | RAST 5D SK - Gehäuse |
| 1 | 4 | 1a, 1b, 2b, 3a, 4a, 4b, d20, d40 | | 1/2,3/4 | | 18424.052.414 | RAST 5D SK - Gehäuse |
| 1 | 4 | 2a, 4b, d20 | 04-G | 1/2,3/4 | violett | 18424.072.017 | RAST 5D SK - Gehäuse |
| Typ | Pol-zahl | Kodierung | RAST 5 Bez. | Rastung zwischen Kammer | Bedruckung/ Farbe | Teile-Nr. | Bezeichnung |

RAST 5 D SK

max. 6 A current rating

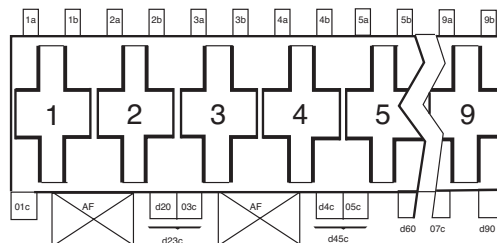
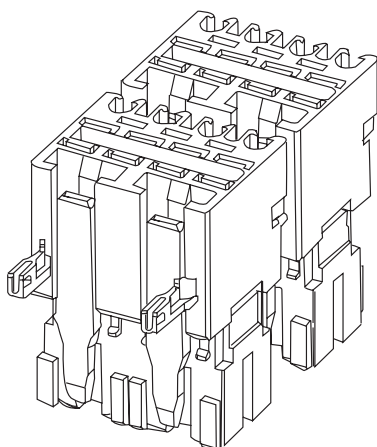
RAST 5 D SK

bis 6 A belastbar

Housing with external lock

Gehäuse mit Außenrastung

Type 1



| Type | No. of ways | Keying | RAST 5 specification | Locking between cavity | Marking/ Colour | Part number | Specification |
|------|-------------|---------------------------|----------------------|-------------------------|-------------------|---------------|----------------------|
| 1 | 5 | 1b, 3a, 5a, 03c | 06-D | 1/2, 4/5 | blau | 18425.052.007 | RAST 5D SK - Gehäuse |
| 1 | 6 | 2b, 4b, 6b, d20, d40, d60 | | 1/2, 5/6 | | 18426.052.002 | RAST 5D SK - Gehäuse |
| Typ | Pol-zahl | Kodierung | RAST 5 Bez. | Rastung zwischen Kammer | Bedruckung/ Farbe | Teile-Nr. | Bezeichnung |

RAST 5

Crimp terminals

Crimp connectors for contacting electrical components

The current rating of this system depends on the type of crimp contact. There is a choice between the double-leaf spring connectors

- DFK 1
- DFK 2
- DFK 4

The housings have external locks.

Characteristics

- current rating up to 16 A
- constantly high contact pressure by steel spring support
- high retention force of the terminals in the housing

Use

- for contacting electrical components

Terminals

- DFK 1
- DFK 1 with internal stainless steel spring
- DFK 2 with short external stainless steel spring
- DFK 2 with long external stainless steel spring
- DFK 4 with long external stainless steel spring

Housings

- 2-5 way
- with external lock
- with keying according to RAST 5

RAST 5

Crimpverbinder

Crimpverbinder zum Kontaktieren von Elektrokomponenten

Die Strombelastbarkeit dieses Systems hängt von der Wahl des Crimpkontaktes ab. Es kann gewählt werden zwischen den Doppelflachfederkontakten

- DFK 1
- DFK 2
- DFK 4

Die Gehäuse verfügen über Außenrastung.

Eigenschaften

- Strombelastbarkeit bis 16 A
- konstant hoher Kontaktdruck durch Stahlfederunterstützung
- hohe Haltekraft der Kontakte im Gehäuse

Einsatz

- zum Kontaktieren von Elektrokomponenten

Kontakte

- DFK 1
- DFK 1 mit innenliegender Stahlfeder
- DFK 2 mit kurzer außenliegender Stahlfeder
- DFK 2 mit langer außenliegender Stahlfeder
- DFK 4 mit langer außenliegender Stahlfeder

Gehäuse

- 2-5 polig
- mit Außenrastung
- mit Kodierung gemäß RAST 5

RAST 5

Crimp terminals

RAST 5

Crimpverbinder

Delivery form

Terminals

- single form for hand crimping tools, crimping devices
- chain form for semi-automatic and fully automatic machines

Housings

- loose in standard packs

Lieferform

Kontakte

- Einzelform für Handcrimpwerkzeuge, Crimpgeräte
- Bandform für Halb- und Vollautomaten

Gehäuse

- lose in Standardverpackungen

| Technical Data | | Technische Daten |
|---|---|---|
| Terminals | | Kontakte |
| Report for application information according to DIN VDE 0627 file - no. 4813-1431-4014 / A1K; A3G; A5C and 4813-1431-4020 | | Prüfbericht zur Information des Antragstellers nach DIN VDE 0627 mit VDE-Aktenzeichen 4813 - 1431 - 4014 / A1K; A3G; A5C und 4813 - 1431 - 4020 |
| Wire cross section | 0,5 - 2,5 qmm | Leiternennquerschnitt |
| For tabs 4,8 x 0,8 mm, 6,3 x 0,8 mm and similar | DIN 46244 | Für Flachstecker 4,8 x 0,8 mm; 6,3 x 0,8 mm und ähnliche |
| Contact back-out force | DFK 1 \geq 30 N DFK 2 \geq 30 N DFK 4 \geq 30 N | Ausreißkraft aus dem Gehäuse |
| Stainless steel spring: long and short form made of stainless steels spring | | Stahlfeder: lange und kurze Form aus nichtrostendem Stahl |
| Current rating • without steel spring • with steel spring (depends on the application on connection with RAST 5) | max. 6 A max. 16 A | Strombelastbarkeit • ohne Stahlfeder • mit Stahlfeder (bezogen auf die Anwendung in Verbindung mit Rast 5) |
| Insertion force per contact • DFK 1 • DFK 2 • DFK 4 | max. 9,5 N max. 5,0 N max. 5,0 N | Aufsteckkraft pro Kontakt • DFK 1 • DFK 2 • DFK 4 |
| Withdrawal force per contact • DFK 1 • DFK 2 • DFK 4 | min. 3,5 N min. 5,0 N min. 5,0 N | Abziehungskraft pro Kontakt • DFK 1 • DFK 2 • DFK 4 |
| Contact material | CuSn CuZn CuFe | Kontaktmaterial |
| Contact surface: tinned, silver plated | | Kontaktoberfläche: verzinkt, versilbert |

RAST 5

Terminal

RAST 5

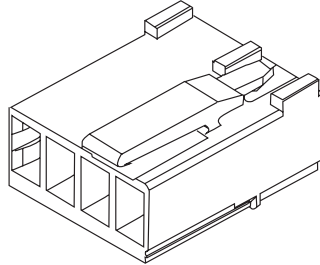
Terminal

| Technical Data | | Technische Daten |
|--|---------------------------------|--|
| Housing | | Gehäuse |
| Report for applicant information according to DIN/DE 0627 file-no. 4343-4015/a1 has been applied for. UL-certification | | Prüfbericht zur Information des Antragstellers nach DIN/DE 0627 mit VDE Aktenzeichen 4343-4015/A1 beantragt. UL-Approbaton |
| Pitch, side by side mounting without loss of contact | 5 mm | Raster, anreihbar ohne Kontaktverlust |
| Number of poles 2-5 way | | Polzahl: 2-5 polig |
| Colour: marked according to RAST 5 | | Farbe: markiert gemäß RAST 5 |
| Keying: according to RAST 5 | | Kodierung: gemäß RAST 5 |
| Rated voltage | 250 V AC | Nennspannung |
| Insulation resistance | $\geq 10 \text{ M}\Omega$ | Isolationswiderstand |
| Creepage and clearance | $\geq 3 \text{ mm}$ 250 V AC | Luft-/Kriechstrecke |
| Track resistance | ≥ 600 | Kriechstromfestigkeit |
| Material of housing | Polyamid | Gehäusewerkstoff |
| UL classification | UL 94 V-2 | UL-Einstufung |

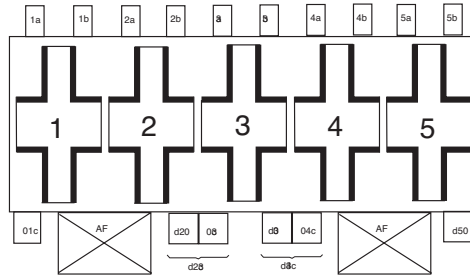
RAST 5

Ømp terminals

5-way housings

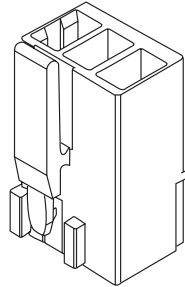


Type 1



| Type | N of ways | Keying | RAST 5 specification | Locking between cavity | Part number | Specification | Material | Color |
|------|-----------|-----------|----------------------|-------------------------|---------------|----------------------|----------|-------------|
| 1 | 5 | 2b, d20 | 05 - B | 1, 2, 4, 6 | 16214.560.501 | RAST 5 Ømp - Gehäuse | PA6 | tiefschwarz |
| Typ | Polzahl | Kodierung | RAST 5 Bez. | Rastung zwischen Kammer | Teile-Nr. | Bezeichnung | Wkstoff | Farbe |

Type 1



| Type | Part number | Specification | Material |
|------|---------------|----------------------|----------|
| 1 | 13660.560.501 | RAST 5D SK - Gehäuse | PA |
| Typ | Teile-Nr. | Bezeichnung | Wkstoff |

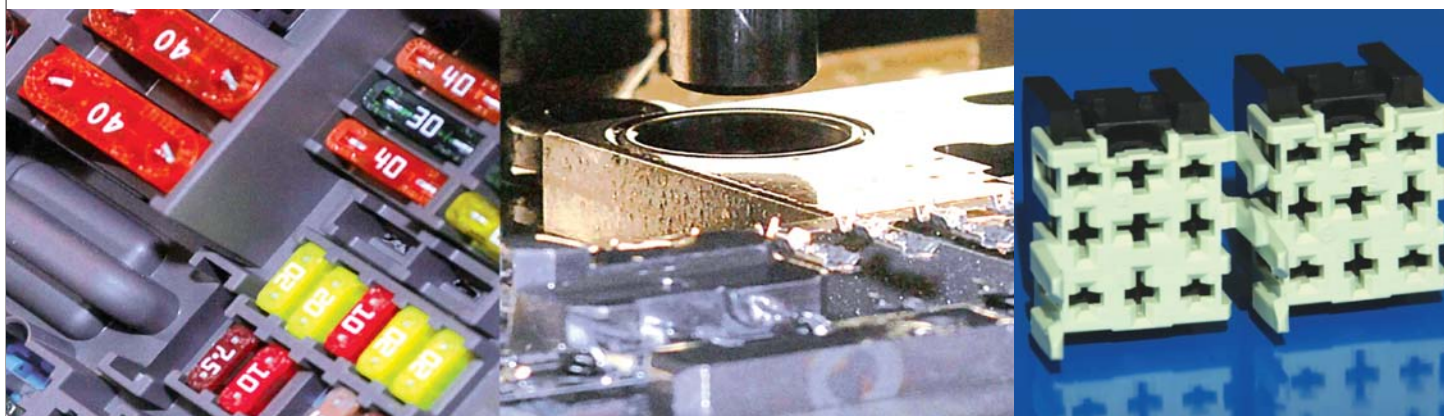
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Relay Sockets

Applications for Flat Connector Systems
2,8 4,8 6,3 9,5 mm

Relaissockel

Anwendungen für Flachstecksysteme
2,8 4,8 6,3 9,5 mm

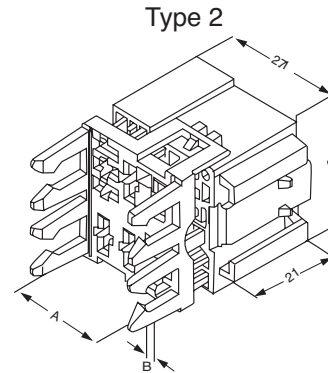
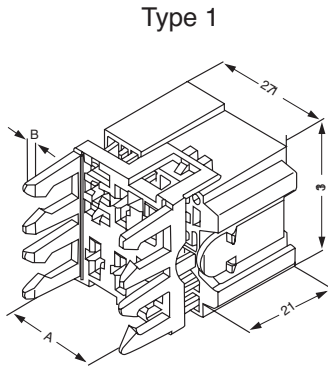


Relay Sockets

Relaissocket

Mini-relay sockets for
MDK 1 / MDK 3 and DFK 1 / DFK 3 terminals

Minirelaissocket für
MDK 1 / MDK 3 und DFK 1 / DFK 3 Kontakte

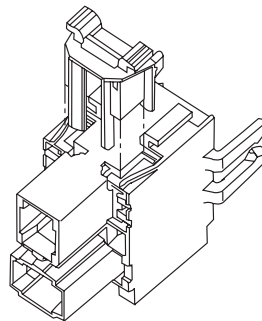


| Type | N of ways | Part number | Specification | Material | Color |
|------|-----------|---------------|--|--------------|----------------------------|
| 1 | 10 | 17192.000.000 | Minirelaissocket Gehäuse Verriegelungsgitter | PA +PE PA | tiefschwarz tiefschwarz |
| 2 | 10 | 17193.000.000 | Minirelaissocket Gehäuse Verriegelungsgitter | PA PA +PE | tiefschwarz tiefschwarz |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Wkstoff | Farbe |

Relay sockets for
DFK 3 and MaXI-DFK terminals

Relaissocket für
DFK 3 und MAXI-DFK Kontakte

Type 1



| Type | N of ways | Part number | Specification | Material | Color |
|------|-----------|---------------|---|------------|-------------------------|
| 1 | 4 | 17556.000.000 | Relaissocket Verriegelungsgitter Relaissocket | PBT PBT | feuerrot tiefschwarz |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Wkstoff | Farbe |

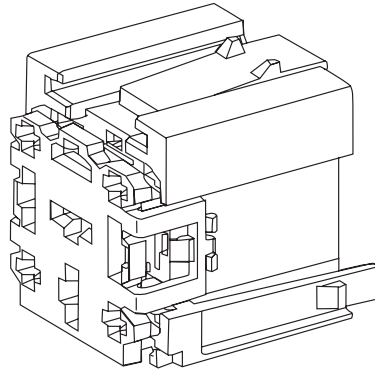
Relay Sockets

Relaissockel

Relay sockets for
Receptacles 6.3 mm and MDK 5 Terminals

Relaissockel für
Flachsteckhülsen 6,3 mm und MDK 5 Kontakte

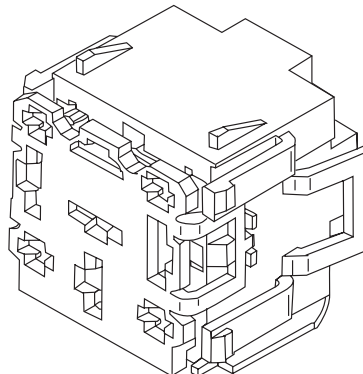
Type 1



Relay sockets for
Receptacles 6.3 mm and MDK 1 Terminals

Relaissockel für
Flachsteckhülsen 6,3 mm und MDK 1 Kontakte

Type 2



| Type | nl of ways | Part number | Specification | Material | Color |
|------|------------------|----------------|--|-------------|------------------------|
| 1 | 9 | 17399.000.000 | Relaissockel Gehäuse Relaissockel | PA-PE PA | achatgrau achatgrau |
| 2 | 9 | 17672.000.000 | Relaissockel Verriegelungsgitter Gehäuse | PA PA-PE | natur natur |
| Typ | Pol- zahl | Teile-Nr. | Bezeichnung | Wkstoff | Farbe |

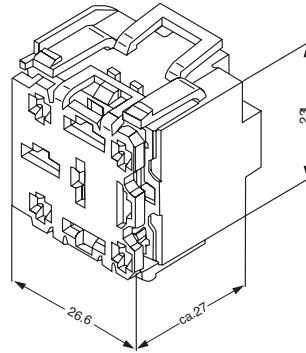
Relay Sockets

Relaissockel

Relay sockets for
Receptacles 6.3 mm and MDK 1 terminals

Relaissockel für
Flachsteckhülsen 6,3 mm und MDK 1 Kontakte

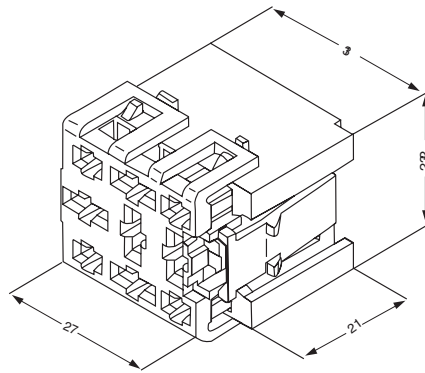
Type 1



Relay sockets for
DFK 1 and MDK 1 terminals

Relaissockel für
DFK 1 und MDK 1 Kontakte

Type 2



| Type | nl of ways | Part number | Specification | Material | Colour |
|------|------------------|----------------|--|--------------|----------------------------|
| 1 | 9 | 17008.000.000 | Relaissockel Gehäuse Verriegelungsgitter | PA PA | natur natur |
| 2 | 9 | 17250.050.000 | Relaissockel Verriegelungsgitter Gehäuse | PA PA +PE | tiefschwarz tiefschwarz |
| Typ | Pol- zahl | Teile-Nr. | Bezeichnung | Wkstoff | Farbe |

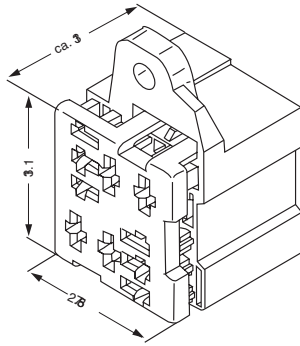
Relay Sockets

Relaissocket

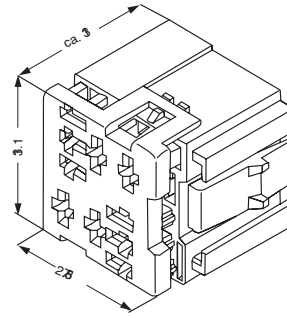
Relay sockets for
DFK and MDK terminals

Relaissocket für
DFK und MDK Kontakte

Type 1



Type 2



| Type | Ø of ways | Part number | Specification | Material | Colour |
|------|-----------------|----------------|--|------------------|----------------------------|
| 1 | 10 | 17718.000.000 | Relaissocket Gehäuse Verriegelungsgitter | PA +PE PA +PE | tiefschwarz tiefschwarz |
| 2 | 10 | 17719.000.000 | Relaissocket Verriegelungsgitter Gehäuse | PA +PE PA +PE | tiefschwarz tiefschwarz |
| Typ | Pol- zahl | Teile-Nr. | Bezeichnung | Wkstoff | Farbe |

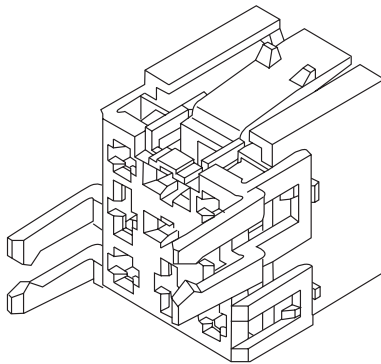
Relay Sockets

Relaissocket

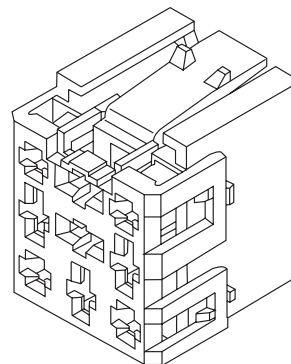
Relay sockets for
DFK 1 / DFK 3 / DFK 4 and
MDK 1 / MDK 3 / MDK 4

Relaissocket für
DFK 1 / DFK 3 / DFK 4 und
MDK 1 / MDK 3 / MDK 4

Type 1



Type 2



| Type | N ^o of ways | Part number | Specification | Material | Color |
|------|------------------------------|----------------|--|-------------|-------------------------|
| 1 | 9 | 17694.000.000 | Relaissocket Gehäuse Verriegelungsgitter | PA-PE PA | tiefschwarz perlweiß |
| 2 | 9 | 17886.000.000 | Relaissocket Verriegelungsgitter Gehäuse | PA-PE PA | perlweiß tiefschwarz |
| 2 | 9 | 18373.000.000 | Relaissocket Verriegelungsgitter Gehäuse | PA PA-PE | gelbgrün tiefschwarz |
| Typ | Pol- zahl | Teile-Nr. | Bezeichnung | Wkstoff | Farbe |

Relay Sockets

Relaissockel

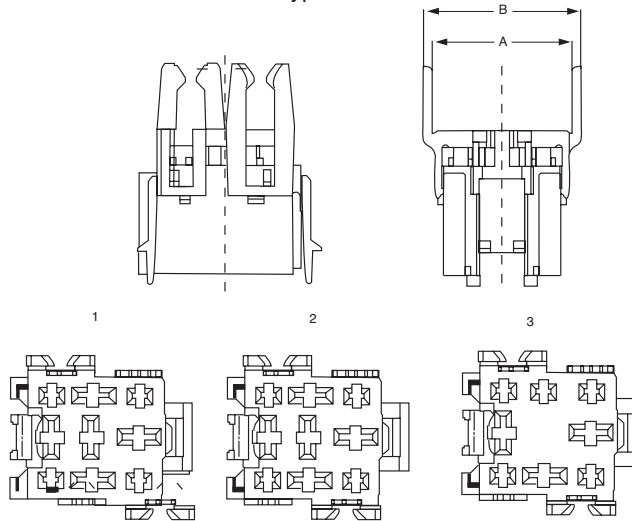
Relay sockets for
MDK 1 / MDK 3 and DFK 1 / DFK 3 terminals,
mounting to relay width 28.5 mm or 30.5 mm

Relaissockel für
MDK 1 / MDK 3 und DFK 1 / DFK 3 Kontakte,
passend für Relaisbreite 28,5 mm bzw. 30,5 mm

Mounting direction ↑

Montagerichtung ↑

Type 1



| Type | Nl of ways | A | B | Keying | Part number | Specification | Material | Color | Foot-note |
|------|--------------|----|----|-----------|---------------|--|--------------|-------------------------------|---------------|
| 1 | 9 | 28 | 30 | 1 | 17206.000.000 | Relaissockel Gehäuse Verriegelungsgitter | PA +PE PA | tiefschwarz perlweiß | 1 |
| 1 | 9 | 30 | 30 | 2 | 17207.000.000 | Relaissockel Gehäuse Verriegelungsgitter | PA +PE PA | tiefschwarz tiefschwarz | 1 |
| 1 | 8 | 28 | 30 | 3 | 18094.000.000 | Relaissockel Verriegelungsgitter Gehäuse | PA PA +PE | gelborange tiefschwarz | |
| 1 | 9 | 28 | 30 | 1 | 18270.000.000 | Relaissockel Gehäuse Verriegelungsgitter | PA +PE PA | tiefschwarz weißgrün | |
| 1 | 9 | 28 | 30 | 1 | 18272.000.000 | Relaissockel Verriegelungsgitter Gehäuse | PA PA +PE | himmelblau tiefschwarz | |
| 1 | 9 | 28 | 30 | 1 | 18274.000.000 | Relaissockel Verriegelungsgitter Gehäuse | PA PA +PE | lachsrot tiefschwarz | |
| 1 | 9 | 28 | 30 | 1 | 18276.000.000 | Relaissockel Verriegelungsgitter Gehäuse | PA PA +PE | ultramarinblau tiefschwarz | |
| Typ | Pol- zahl | A | B | Kodierung | Teile-Nr. | Bezeichnung | Wkstoff | Farbe | Foot- note |

1 Ⓞresponding adapter part - no. 14001

1 Ⓙgehöriger Adapter Teile - N 14001

Relay Sockets

Relaissockel

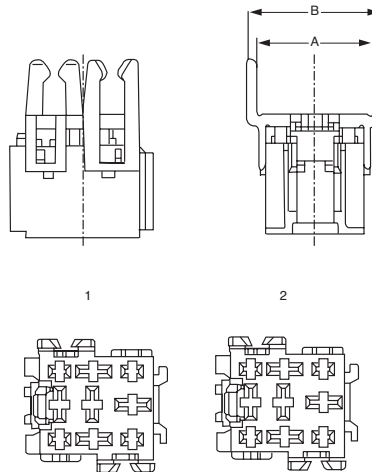
Relay sockets for
MDK 1 / MDK 3 and DFK 1 / DFK 3 terminals,
mounting to relay width 28.5 mm or 30.5 mm

Relaissockel für
MDK 1 / MDK 3 und DFK 1 / DFK 3 Kontakte,
passend für Relaisbreite 28,5 mm bzw. 30,5 mm

Mounting direction ↑

Montagerichtung ↑

Type 1



| Type | N ^o of ways | A | B | Keying | Part number | Specification | Material | Color |
|------|------------------------------|----|----|-----------|----------------|--|-------------------|-------------------------------|
| 1 | 9 | 28 | 30 | 1 | 17208.000.000 | Relaissockel Gehäuse Verriegelungsgitter | PA PA-PE PA | tiefschwarz perlweiß |
| 1 | 9 | 30 | 30 | 2 | 17209.000.000 | Relaissockel Verriegelungsgitter Gehäuse | PA PA-PE | tiefschwarz tiefschwarz |
| 1 | 9 | 28 | 30 | 1 | 18271.000.000 | Relaissockel Verriegelungsgitter Gehäuse | PA PA-PE | weißgrün tiefschwarz |
| 1 | 9 | 28 | 30 | 1 | 18273.000.000 | Relaissockel Gehäuse Verriegelungsgitter | PA PA-PE PA | tiefschwarz himmelblau |
| 1 | 9 | 28 | 30 | 1 | 18275.000.000 | Relaissockel Verriegelungsgitter Gehäuse | PA PA-PE | lachsrot tiefschwarz |
| 1 | 9 | 28 | 30 | 1 | 18277.000.000 | Relaissockel Verriegelungsgitter Gehäuse | PA PA-PE | ultramarinblau tiefschwarz |
| Typ | Pol- zahl | A | B | Kodierung | Teile-Nr. | Bezeichnung | Wkstoff | Farbe |

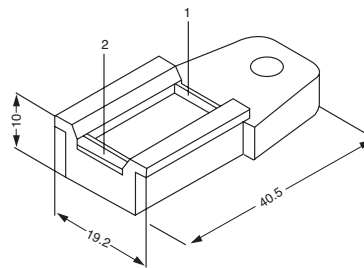
Relay Sockets

Relaissockel

Adapter for relay sockets

Adapter für Relaissockel

Type 1



| Type | Part number | Specification | Material | Color | Note |
|------|-------------|---------------|-----------|-------------|----------|
| 1 | 14001.56899 | Adapter | PA66GF-GF | tiefschwarz | 2 |
| 1 | 14056899 | Adapter | PA66GF-GF | tiefschwarz | 1 |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Ein-note |

1 Locking 1
2 Locking 2

1 Rastung 1
2 Rastung 2

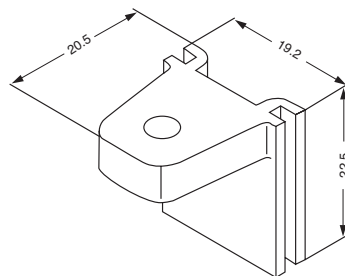
Relay Sockets

Relaissockel

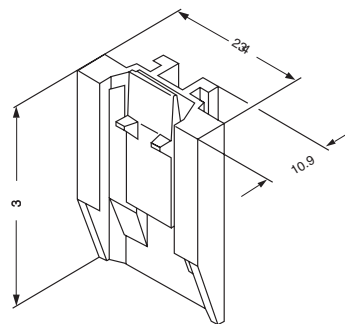
Adapter for relay sockets

Adapter für Relaissockel

Type 1



Type 2

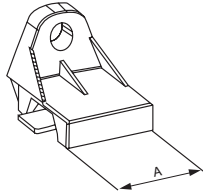


| Type | Part number | Specification | Material | Color |
|------|---------------|---------------|-----------|-------------|
| 1 | 14570.568.699 | Adapter | PA66PE-GF | tiefschwarz |
| 1 | 16207.568.699 | Adapter | PA66PE-GF | tiefschwarz |
| 2 | 16327.572.696 | Adapter | PA66PE-GF | tiefschwarz |
| Typ | Teile-Nr. | Bezeichnung | Wkstoff | Farbe |

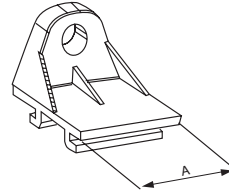
Relay Sockets

Relaissocket

Type 1

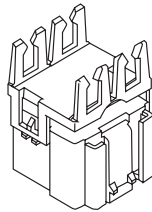


Type 2

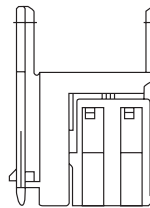


| Type | A | Part number | Specification | Material | Color |
|------|----|---------------|---------------|----------|-------------|
| 1 | 22 | 14910.633.696 | Relaishalter | PPEPA-GF | tiefschwarz |
| 2 | 22 | 14911.633.696 | Relaishalter | PPEPA-GF | tiefschwarz |
| Typ | A | Teile-N | Bezeichnung | Wkstoff | Farbe |

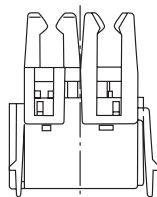
Type 1



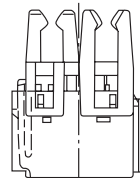
Type 2



Type 3



Type 4

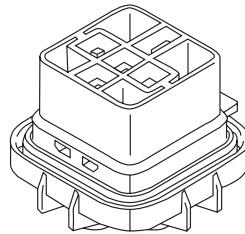


| Type | Part number | Specification | Material | Color |
|------|---------------|--|----------|---------------------|
| 1 | 18391.000.000 | Minirelaissocket Grundkörper Verriegelungsgitter | PA PA | tiefschwarz grau |
| 2 | 18392.000.000 | Minirelaissocket | PA | schwarz |
| 3 | 18577.000.000 | Relaissocket | | schwarz |
| 4 | 18772.000.000 | Relaissocket | | schwarz |
| Typ | Teile-N | Bezeichnung | Wkstoff | Farbe |

Relay Sockets

Relaissockel

Type 1



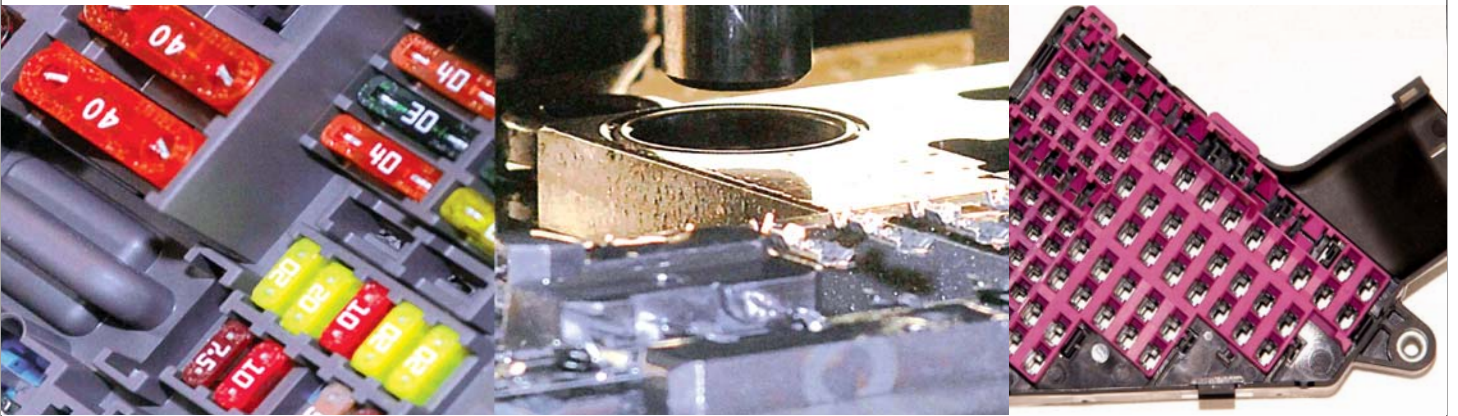
| Type | Part number | Specification | Material | Colour |
|------|---------------|---|---------------------------|------------------------------|
| 1 | 18677.000.000 | Relaissockel Zsatzverriegelung Dichtung Relaissockel | PBT-GF0 VMQ PBT-GF0 | violett orange schwarz |
| Typ | Teile-Nr. | Bezeichnung | Wkstoff | Farbe |

Housings for Flat Fuses

Applications for Flat Connector Systems
6,3 9,5 mm

Sicherungsträger

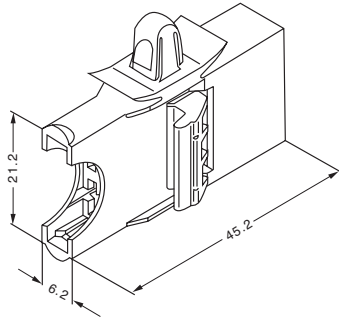
Anwendungen für Flachstecksysteme
6,3 9,5 mm



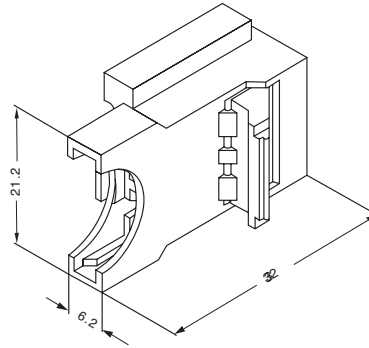
Housings for Flat Fuses

Sicherungsträger

Type 1



Type 2



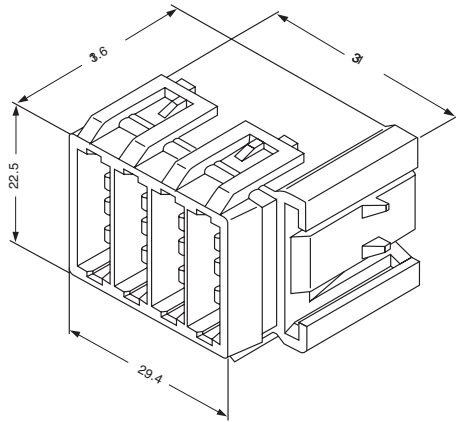
| Type | Nl. of flat fuses | Part number | Specification | Material | Color | Foot-note |
|------|---------------------|---------------|------------------|----------|-------------|-----------|
| 1 | 1 | 16025.562.699 | Sicherungsträger | PA | tiefschwarz | |
| 2 | 1 | 16746.562.699 | Sicherungsträger | PA | tiefschwarz | |
| 1 | 1 | 17006.000.000 | Sicherungsträger | | | 1 |
| Typ | Anzahl fäch-sicher. | Teile-Nr. | Bezeichnung | Wkstoff | Farbe | FB-note |

1 Housing in which DR 1 contacts are inserted crimped with tabs 6.3x 0.8mm.
 1 Das Gehäuse ist mit DR 1 Kontakten bestückt, die an fächstecker 6,3x 0,8mm gecrimpt sind.

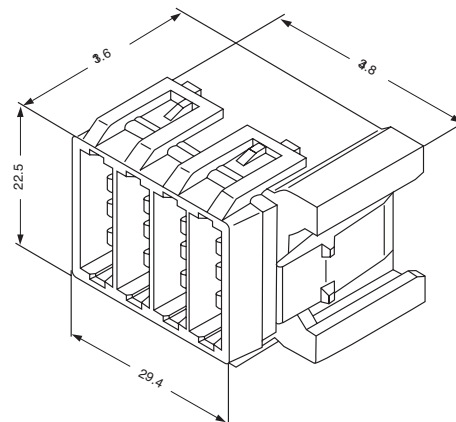
Housings for Flat Fuses

Sicherungsträger

Type 1

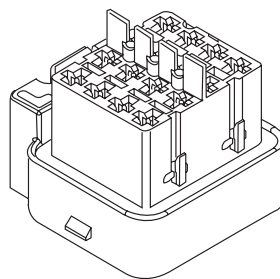


Type 2



| Type | N ^o of flat fuses | Part number | Specification | Material | Colour |
|------|------------------------------|---------------|--|--------------------|----------------------------|
| 1 | 4 | 17014.000.000 | Sicherungsträger Gehäuse Verriegelungsgitter | PPE -PA PPE -PA | tienschwarz tienschwarz |
| 1 | 4 | 17216.000.000 | Sicherungsträger Gehäuse Verriegelungsgitter | PPE -PA PPE -PA | tienschwarz tienschwarz |
| 2 | 4 | 17941.000.000 | Sicherungsträger Gehäuse Verriegelungsgitter | PPE -PA PPE -PA | tienschwarz tienschwarz |
| Typ | Anzahl fläch-sicher. | Teile-N | Bezeichnung | Wkstoff | Erbe |

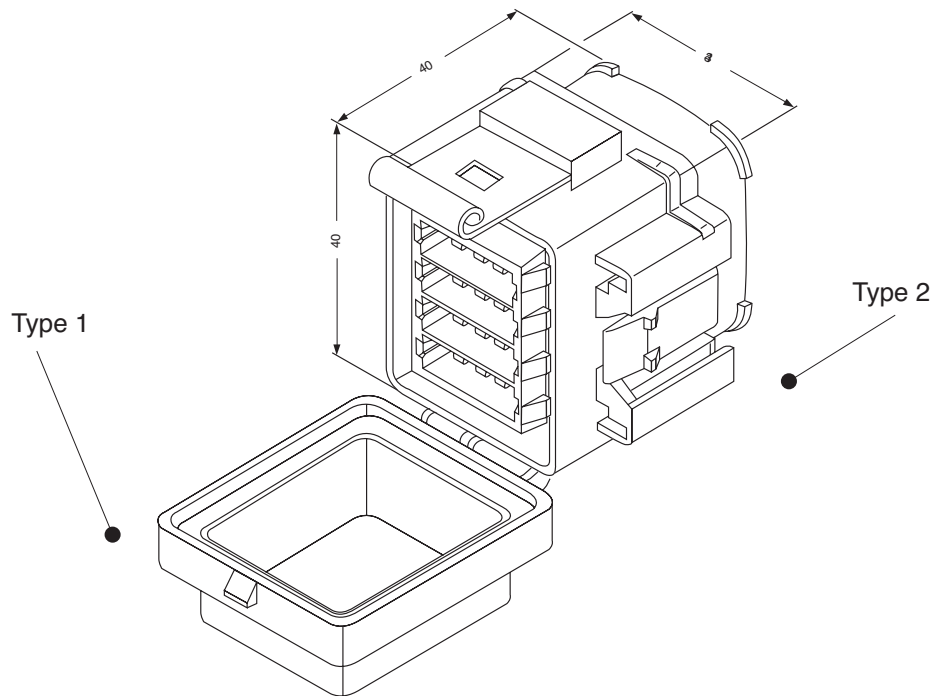
Type 1



| Type | Part number | Specification | Material | Colour |
|------|---------------|---|------------------------|---------------------------------|
| 1 | 18675.000.000 | Sicherungsträger Verriegelungsgitter Dichtung Sicherungsträger | PA66 PA6 PPE -PA | perlweiß feuerrot schwarz |
| Typ | Teile-N | Bezeichnung | Wkstoff | Erbe |

Housings for Flat Fuses

Sicherungsträger



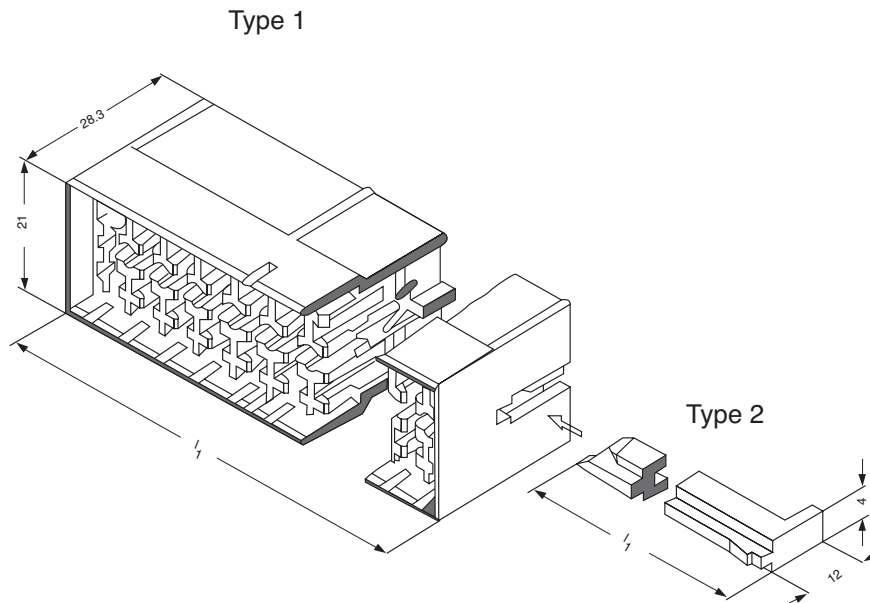
| Type | bl. of flat fuses | Part number | Specification | Material | Color |
|------|----------------------------|---------------|--|--------------------|----------------------------|
| 2 | 4 | 17538.000.000 | Sicherungsgehäuse Rastfeder Gehäuse Verriegelungsgitter | PPE -PA PPE -PA | tiefschwarz tiefschwarz |
| 1 | | 17539.000.000 | Deckel Deckel Dichtung | PPE -PA VMQ | tiefschwarz feuerrot |
| Typ | Anzahl Fach- Sicher. | Teile-N | Bezeichnung | Wkstoff | Farbe |

Housings for Flat Fuses

Sicherungsträger

Schematic drawing of fuse carriers. Various types are possible. For more details please contact Lear directly.

Prinzipdarstellung der Sicherungsträger. Unterschiedliche Ausführungen sind möglich. Für nähere Informationen wenden Sie sich bitte direkt an Lear.



| Type | No. of flat fuses | l1 | Part number | Specification | Material | Colour | Foot-note |
|------|----------------------|--------|---------------|-----------------------|-----------|-------------|-----------|
| 1 | 16 | 106.80 | 14161.623.696 | Sicherungsträger | PPE+PA-GF | tiefschwarz | |
| 1 | 29 | 191.30 | 14711.623.696 | Sicherungsträger | PPE+PA-GF | tiefschwarz | |
| 1 | 16 | 106.90 | 14714.623.696 | Sicherungsträger | PPE+PA-GF | tiefschwarz | |
| 1 | 16 | 106.90 | 16749.623.696 | Sicherungsträger | PPE+PA-GF | tiefschwarz | |
| 2 | | 106.80 | 16292.578.698 | Verriegelungsschieber | PET-GF | perlweiß | *1 |
| 2 | | 191.00 | 16963.578.698 | Verriegelungsschieber | PET-GF | perlweiß | *2 |
| Typ | Anzahl Flach-sicher. | l1 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

*1 For 16-way fuse carrier

*2 For 29-way fuse carrier

*1 Für 16-fach Sicherungsträger

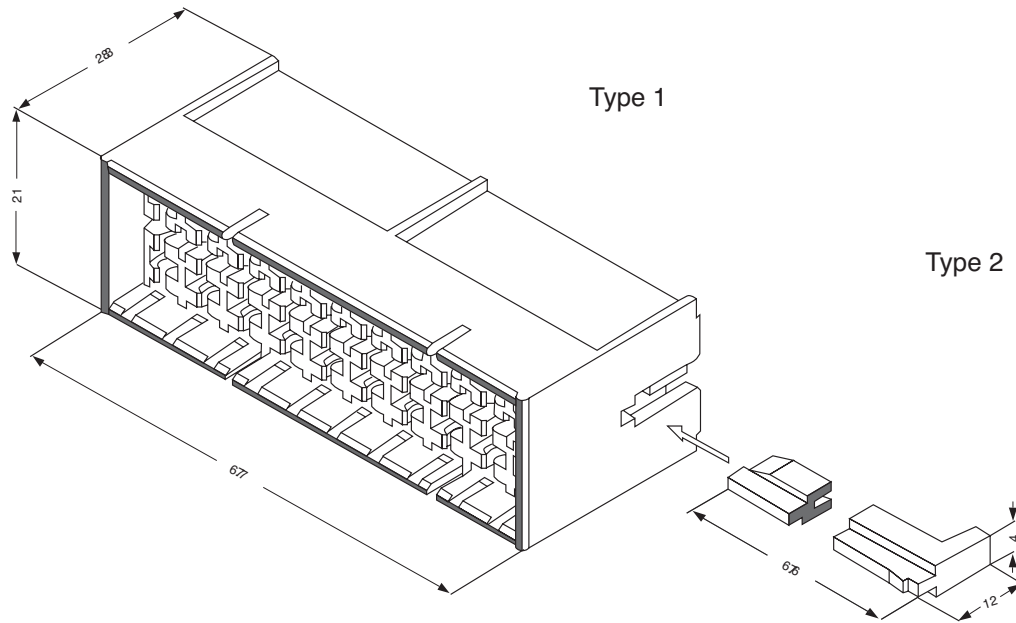
*2 Für 29-fach Sicherungsträger

Housings for Flat Fuses

Sicherungsträger

Schematic drawing of fuse carriers. Various types are possible. For more details please contact Lear directly.

Prinzipdarstellung der Sicherungsträger. Unterschiedliche Ausführungen sind möglich. Für nähere Informationen wenden Sie sich bitte direkt an Lear.



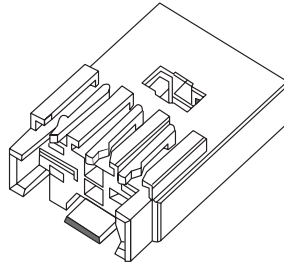
| Type | N ^o of flat fuses | Part number | Specification | Material | Colour |
|------|------------------------------|---------------|-----------------------|----------|-------------|
| 1 | 10 | 14757.633.696 | Sicherungsträger | PPEPA-GF | tiefschwarz |
| 1 | 10 | 16290.633.696 | Sicherungsträger | PPEPA-GF | tiefschwarz |
| 2 | | 16291.578.698 | Verriegelungsschieber | PET-GF | perlweiß |
| 1 | 10 | 16306.633.696 | Sicherungsträger | PPEPA-GF | tiefschwarz |
| Typ | Anzahl Flach-Sicher. | Teile-N | Bezeichnung | Wkstoff | Farbe |

Housings for Flat Fuses

Sicherungsträger

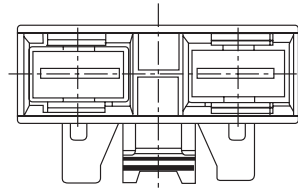
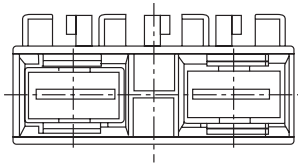
Suitable slide must be ordered separately.

Passende Schieber müssen separat bestellt werden.



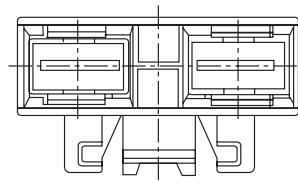
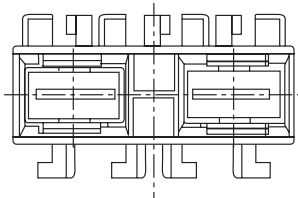
Type 1

Type 2



Type 3

Type 4



| Type | nl of flat fuses | nl of ways | Part number | Specification | Material | Color | Foot-note |
|------|----------------------|------------|---------------|------------------|----------|-------------|-----------|
| 1 | 1 | 2 | 14514.633.696 | Sicherungsträger | PPEPA-GF | tiefschwarz | 1 |
| 2 | 1 | 2 | 14516.633.696 | Sicherungsträger | PPEPA-GF | tiefschwarz | 1 |
| 3 | 1 | 2 | 14517.633.696 | Sicherungsträger | PPEPA-GF | tiefschwarz | 1 |
| 4 | 1 | 2 | 14562.633.696 | Sicherungsträger | PPEPA-GF | tiefschwarz | 1 |
| Typ | Anzahl flach-sicher. | Pol-zahl | Teile-N | Bezeichnung | Wkstoff | Farbe | FB-note |

1 fitting to slide 14515

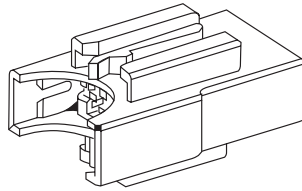
1 Passend zu Schieber 14515

Housings for Flat Fuses

Sicherungsträger

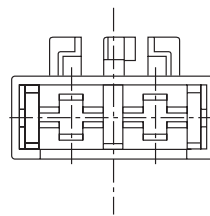
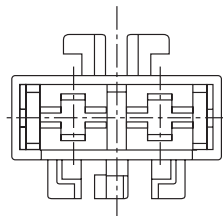
Suitable for fuses to DIN 58 part 3
slide must be ordered separately.

Einsetzbar für Sicherungen nach DIN 58 Teil 3
Passende Schieber müssen separat bestellt werden.



Type 1

Type 2



| Type | N ^o of flat fuses | N ^o of ways | Part number | Specification | Material | Colour | Foot-note |
|------|------------------------------|------------------------|---------------|------------------|----------|-------------|-----------|
| 1 | 1 | 2 | 14097.633.696 | Sicherungsträger | PPE/A-GF | tiefschwarz | 1 |
| 2 | 1 | 2 | 14098.633.696 | Sicherungsträger | PPE/A-GF | tiefschwarz | 1 |
| Typ | Anzahl flach-sicher. | Pol-zahl | Teile-N | Bezeichnung | Wkstoff | Farbe | FB-note |

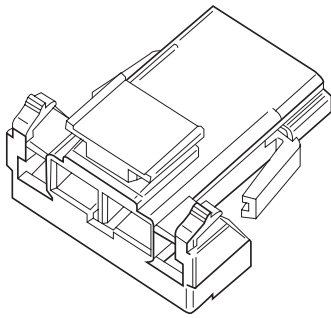
1 Ring to slide 14099

1 Passend zu Schieber 14099

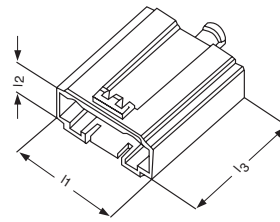
Housings for Flat Fuses

Sicherungsträger

Type 1



Type 2



| Type | No. of flat fuses | No. of ways | I1 | I2 | I3 | Part number | Specification | Material | Colour | Foot-note |
|------|----------------------|-------------|------|-----|------|---------------|------------------|-----------|-------------|-----------|
| 1 | 1 | 2 | | | | 16593.568.501 | Sicherungsträger | PPE+PA-GF | natur | *1 |
| 2 | 1 | 2 | 14.2 | 6.6 | 15.6 | 14282.599.699 | Sicherungsträger | PBT-GF | tiefschwarz | |
| Typ | Anzahl Flach-sicher. | Pol-zahl | I1 | I2 | I3 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Farbe |

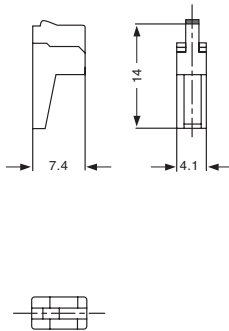
*1 Fitting to slide 16229

*1 Passend zu Schieber 16229

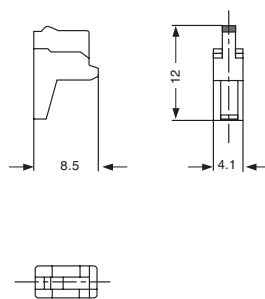
Slides

Schieber

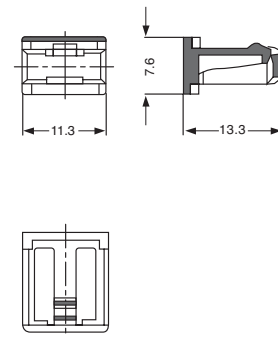
Type 1



Type 2



Type 3

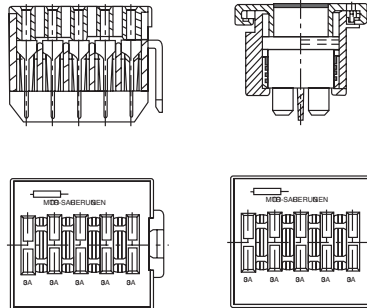


| Type | Part number | Specification | Material | Colour |
|------|---------------|-----------------------|-----------|-------------|
| 1 | 16229.623.696 | Verriegelungsschieber | PPE+PA-GF | tiefschwarz |
| 2 | 14099.633.696 | Verriegelungsschieber | PPE+PA-GF | tiefschwarz |
| 3 | 14515.633.696 | Verriegelungsschieber | PPE+PA-GF | tiefschwarz |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Housings for Flat Fuses

Sicherungsträger

Type 1



| Type | N ^o of flat fuses | Keying | Part number | Specification | Foot-note |
|------|------------------------------|-----------|---------------|------------------|-----------|
| 1 | 5 | Version A | 17663.000.000 | Sicherungsträger | 1 |
| 1 | 5 | Version B | 17664.000.000 | Sicherungsträger | 2 |
| Typ | Anzahl Flachsicher. | Kodierung | Teile-N | Bezeichnung | FB-note |

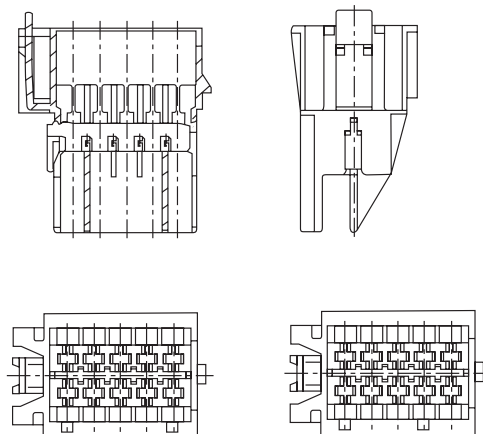
1 für fuses 0A, 20A

2 für fuses 0A

1 für Sicherungen 0A, 20A

2 für Sicherungen 0A

Type 1



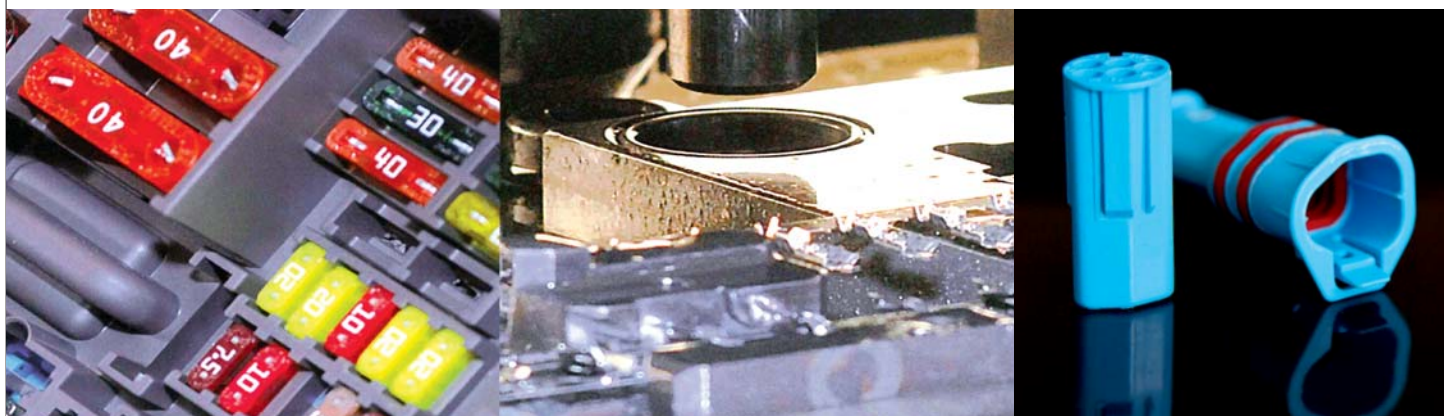
| Type | Keying | Part number | Specification |
|------|----------------------------|---------------|---------------|
| 1 | Version A Kodierung A/E | 17666.000.000 | Modulträger |
| 1 | Version B Kodierung A/D | 17667.000.000 | Modulträger |
| Typ | Kodierung | Teile-N | Bezeichnung |

MKR PLUS / MKS PLUS

Connector Systems
1.5 mm diameter

MKR PLUS / MKS PLUS

Steckverbindersysteme
1,5 mm Ø



MKR PLUS MKS PLUS

Connector systems 1.5 mm diameter with stainless steel spring for splash-proof applications.

The **MKR PLUS / MKS PLUS** system is designed for the high vibration and splash-proof application. It transmits high as well as low currents, e.g. for control connections to alternators, motor fans and gear boxes.

Tab and receptacle have external steel springs. They guarantee the required contact force and secure fixing in the housing cavity. The insulation claw is designed for single wire seals. The steel spring and the seal together absorb vibrations.

Characteristics

- high contact back-out force via locking in housing with stainless steel spring
- high contact force
- high resistance to vibration

Use

- for high vibration resistance application
- for splash-proof applications
- for transmission of low and high currents
- as a combined connector system with VKR PLUS / VKS PLUS terminals (2.5 mm diameter).

Terminals

- two locking latches ensure secure locking in the cavity
- the insulation claw is designed for single wire seals

Housings

- splash-proof through single wire seals and housing seals
- cable entry straight and 90° angled
- with secondary locking

MKR PLUS MKS PLUS

Steckverbindersysteme 1,5 mm Ø mit Stahlfeder, für die spritzwassergeschützte Anwendung.

Das **MKR PLUS / MKS PLUS** System ist für die stark schwingungsbelastete und spritzwassergeschützte Anwendung konstruiert. Es überträgt gleichermaßen hohe und niedrige Ströme, z.B. für Steueranschlüsse an Generatoren, Motorlüfter und Getriebe.

Rundstecker und Rundsteckhülse besitzen außenliegende Stahlfedern. Sie gewährleisten den erforderlichen Kontaktdruck und den sicheren Halt in der Gehäusekammer. Die Isolationskrallen sind für die Aufnahme des Seals (Einzelleitungsabdichtung) ausgelegt. Stahlfeder und Seal zusammen dienen der Absorption von Schwingungen.

Eigenschaften

- hohe Ausreißkraft aus dem Gehäuse durch Verrastung mit Stahlfeder
- hohe Kontaktkraft
- hohe Schwingungsfestigkeit

Einsatz

- für stark schwingungsbelastete Anwendung
- für spritzwassergeschützten Einsatz
- zur Übertragung niedriger bis hoher Ströme
- als kombiniertes Steckverbindersystem mit VKR PLUS / VKS PLUS Kontakten (2,5 mm Durchmesser).

Kontakte

- 2 Rastarme gewährleisten den sicheren Halt im Gehäuse
- die Isolationskrallen sind für die Aufnahme eines Seals ausgelegt

Gehäuse

- wasserdicht durch Seals und Gehäusedichtung
- gerader und 90° gewinkelter Leitungsabgang
- mit Sekundärverriegelung

MKR PLUS MKS PLUS

MKR PLUS MKS PLUS

Delivery form

Terminals

- single form for hand crimping tools
- chain form for semi-automatic and fully-automatic machines

Housings

- loose in standard packs

Lieferform

Kontakte

- Einzelform für Handcrimpwerkzeuge
- Bandform für Halb- und Vollautomaten

Gehäuse

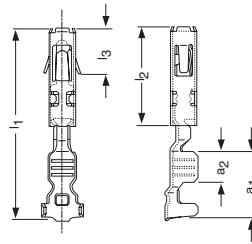
- lose in Standardverpackungen

| Technical Data | | Technische Daten |
|----------------------------------|-------------------|----------------------------|
| Terminals | | Kontakte |
| Wire cross section | 0,5 - 2,5 qmm | Leiternquerschnitt |
| Stainless steel spring | | Stahlfeder |
| Housings | | Gehäuse |
| Number of poles | | Polzahl |
| • MKR PLUS | 2, 3, 4, 5, 7, 12 | • MKR PLUS |
| • MKS PLUS | 2, 4, 7, 12 | • MKS PLUS |
| Variety of codings | | Kodiervarianten |
| • depends on the number of poles | | • abhängig von der Polzahl |

MKR PLUS

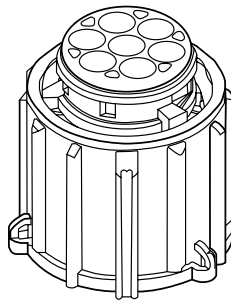
MKR PLUS

Type 1

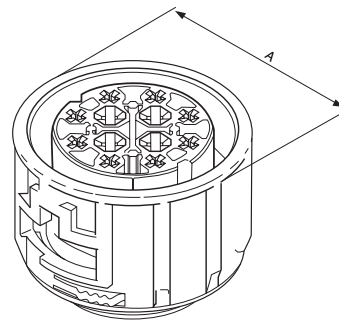


| Type | Wire cross section qmm | Insulation diameter | Hole diameter of cavity | Pin diameter | a1 | a2 | l1 | l2 | l3 | Material thickness | Steel spring | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|---------------------|-------------------------|--------------|------|------|-------|-------|------|--------------------|--------------|-----------------------|--|--------------|-------------------|-----------------|
| 1 | 0.75 - 1.5 | 1.6 - 2.4 | 4.00 | 1.50 | 7.50 | 3.50 | 21.50 | 11.20 | 5.20 | 0.32 | X | B | 26780.201.184 | CuSn | Sn | NQ |
| 1 | 0.5 - 1.0 | 1.4 - 2.3 | 5.15 | 1.50 | 7.00 | 3.00 | 21.50 | 11.20 | 5.20 | 0.32 | X | B B | 26806.201.184 26806.201.707 | CuSn CuSn | Sn Ni/Sn/Ni/Au | NQ |
| 1 | 1.5 - 2.5 | 2.1 - 3.1 | 5.15 | 1.50 | 7.50 | 3.50 | 21.50 | 11.20 | 5.20 | 0.32 | X | B | 26807.201.184 | CuSn | Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | Isol.-Ø | Bohr.-Ø Geh-kammer | Stif.-Ø | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Stahl-feder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1



Type 2

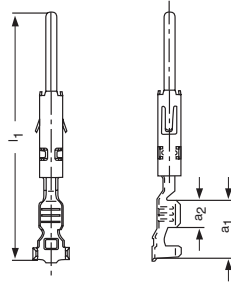


| Type | A | Part number | Specification | Material | Colour |
|------|----|----------------------|--|-------------------------------------|---------------------------|
| 1 | | 17019.062.000 | MKR Plus Gehäuse Gehäuse Mutter Dichtung | PBT+ASA-GF20 PA VMQ | grau schwarz blau |
| 2 | 46 | 18562.000.000 | MKR PLUS - Gehäuse Dichtung Ueberwurfmutter Gehäuse | VMQ PBT+ASA-GF20 PBT+ASA-GF20 | rot schwarz schwarz |
| Typ | A | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

MKS PLUS

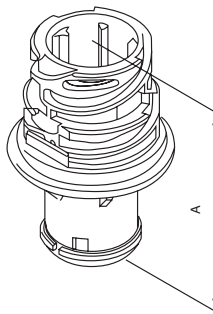
MKS PLUS

Type 1



| Type | Wire cross section qmm | Insulation diameter | Hole diameter of cavity | Pin diameter | a1 | a2 | l1 | Material thickness | Steel spring | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|---------------------|-------------------------|--------------|------|------|-------|--------------------|--------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5 - 1.0 | 1.4 - 2.1 | 5.15 | 1.50 | 7.00 | 3.00 | 31.85 | 0.32 | X | B | 25678.201.184 | CuSn | Sn | NQ |
| 1 | 0.75 - 1.5 | 1.7 - 2.4 | 4.00 | 1.50 | 7.50 | 3.50 | 31.85 | 0.32 | X | B | 25701.201.184 | CuSn | Sn | NQ |
| 1 | 1.5 - 2.5 | 2.2 - 3.0 | 5.15 | 1.50 | 7.50 | 3.50 | 31.85 | 0.32 | X | B | 25719.201.184 | CuSn | Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | Isol.-Ø | Bohr.-Ø Geh-kammer | Stif.-Ø | a1 | a2 | l1 | Mat.-dicke | Stahl-feder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1



| Type | A | Part number | Specification |
|------|------|---------------|--------------------|
| 1 | 47.5 | 18520.062.000 | MKS PLUS - Gehäuse |
| Typ | A | Teile-Nr. | Bezeichnung |

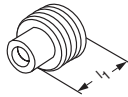
MKR PLUS MKS PLUS

MKR PLUS MKS PLUS

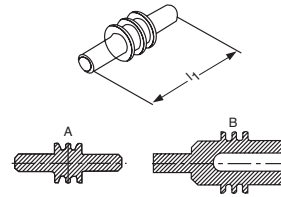
Single wire seals

Seals (Einzelleitungs-dichtungen)

Type 1



Type 2



| Type | Insulation diameter | Hole diameter | l1 | Keying | Part number | Specification | Material | Colour | Foot-note |
|------|---------------------|---------------|-------|-----------|--------------------------------|--|------------|--------------------------|-----------|
| 1 | 1.7 - 2.1 | 4.00 | 7.00 | | 14448.627.621 | Einzelleitungs-dichtung | VMQ | feuerrot | |
| 1 | 1.9 2.5 | 4.00 | 7.00 | | 14458.627.610 | Einzelleitungs-dichtung | VMQ | schwefelgelb | |
| 1 | 1.2 - 2.1 | 5.15 | 7.50 | | 16276.627.642 | Einzelleitungs-dichtung | VMQ | enzianblau | 1 |
| 1 | 1.2 - 2.1 | 5.15 | 7.50 | | 16695.627.619 16695.627.642 | Einzelleitungs-dichtung Einzelleitungs-dichtung | VMQ VMQ | reinorange enzianblau | |
| 1 | 1.9 Ø | 5.15 | 7.50 | | 16260.627.626 | Einzelleitungs-dichtung | VMQ | rotbraun | 1 |
| 1 | 1.9 Ø | 5.15 | 7.50 | | 16694.627.626 | Einzelleitungs-dichtung | VMQ | rotbraun | |
| 2 | | 5.15 | 16.00 | Form A | 16237.627.626 | Blindstopfen | VMQ | rotbraun | |
| Typ | Isol.-Ø | Bohr.-Ø | l1 | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

1 Safety Part

1 Dokumentationspflichtiges Teil

Seal determination for the contacts and wires

The choice of seal depends on the thickness of the wire insulation (e.g. according to DIN 72551, part 6).

Zuordnung der Seals zu Kontakten und Leitungen

Die Wahl des Seals hängt von der Dicke der Isolierhülle der Leitungen ab (z.B. gemäß DIN 72551, Teil 6).

| Hole diameter of cavity | Wire diameter mm | Wire cross section qmm | Type of lead | Part-no. | Foot-note | Terminal |
|----------------------------|------------------|------------------------|--------------|---------------|-----------|----------------------|
| 4.00 | 1.7 - 2.1 | 0.75 - 1.0 | FLRY | 14448.627.621 | | MKR PLUS MKS PLUS |
| | 1.9 2.5 | 0.75 | FLY | 14458.627.610 | | |
| | | 1.50 | FLRY | | | |
| 5.15 | 1.2 - 2.1 | 0.22 - 0.8 | FLY | 1669.627.619 | 1 | |
| | | 0.5 - 1.0 | FLRY | 1669.627.642 | | |
| | | | | 16276.627.642 | | |
| | 1.9 Ø | 0.5 - 1.5 | FLY | 1669.627.626 | | |
| | | 1.0 - 2.5 | FLRY | 16260.627.626 | | |
| Bohr.-Ø der Gehäuse-Kammer | Leitungs-art | Nennquerschnitt qmm | Leit.-art | Teiler-Nr. | Fuß-note | Verbindertyp |

1 Safety Part

1 Dokumentationspflichtiges Teil

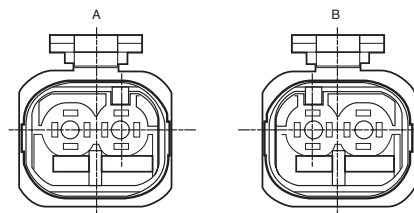
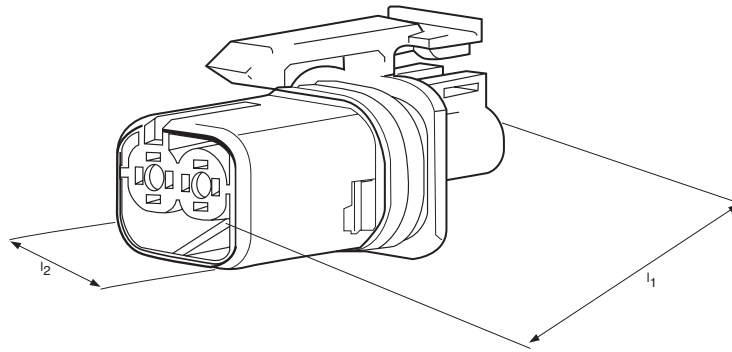
MKR PLUS MKS PLUS

MKR PLUS MKS PLUS

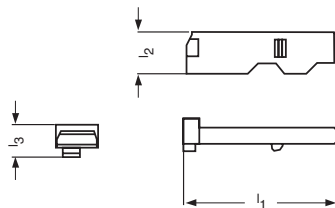
Adapter for 2-way housings are available

Adapter für 2-polige Gehäuse sind lieferbar

Type 1



Type 2



| Type | No. of ways | Pitch | l1 | l2 | l3 | Keying | Part number | Specification | Material | Color |
|------|-------------|--------|-------|-------|----|-----------|---------------|---|-----------|----------------------------|
| 2 | | | 14.60 | 30 | 30 | | 14816.660.636 | Verriegelungsschieber | PBT-GF | lichtblau |
| 1 | 2 | 5.45 | 8.00 | 16.50 | | A | 18169.000.002 | MKR PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | achatsgrau korallenrot |
| 1 | 2 | 5.45 | 8.00 | 16.50 | | B | 18170.000.002 | MKR PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | tiefschwarz korallenrot |
| Typ | Polzahl | Raster | l1 | l2 | l3 | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

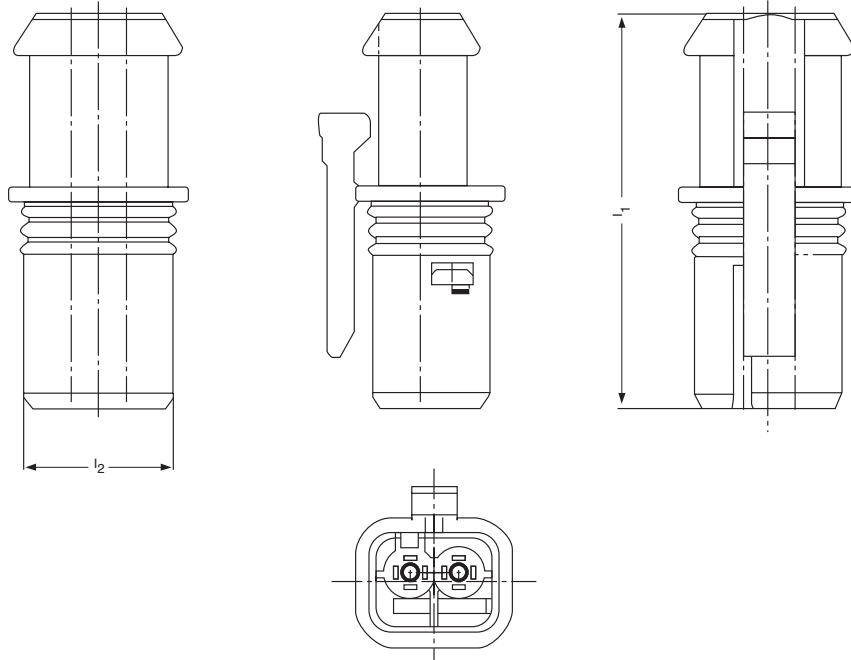
MKR PLUS MKS PLUS

Adapter for 2-way housings are available

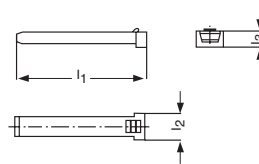
MKR PLUS MKS PLUS

Adapter für 2-polige Gehäuse sind lieferbar

Type 1



Type 2

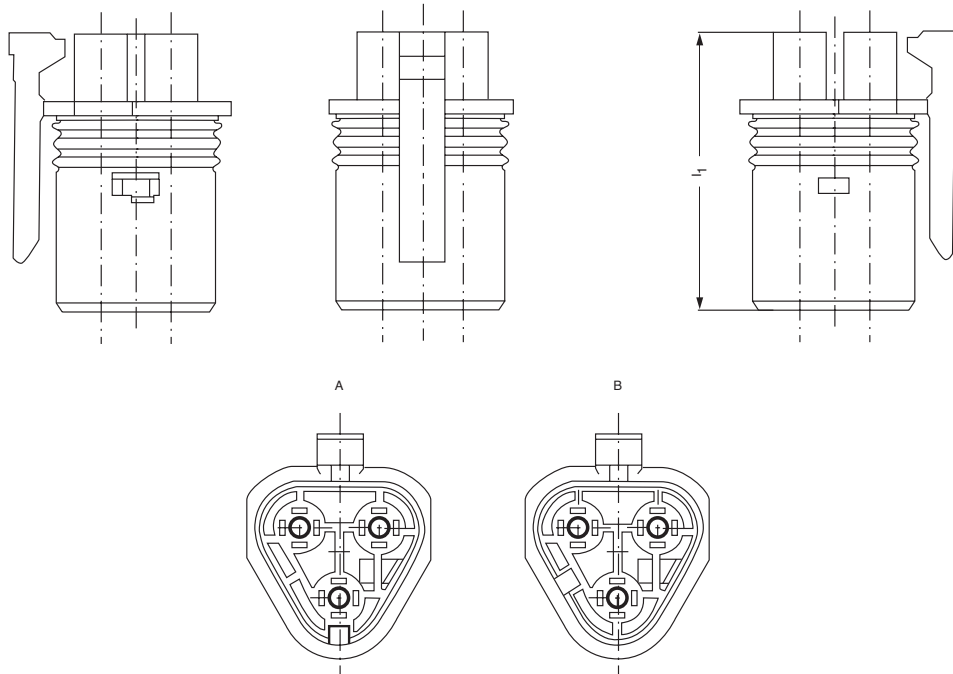


| Type | No. of ways | Pitch | l1 | l2 | l3 | Part number | Specification | Material | Colour |
|------|-------------|--------|-------|-------|------|----------------------|---|-----------|----------------------------|
| 1 | 2 | 5.45 | 40.00 | 14.86 | | 18286.000.002 | MKR PLUS - Gehäuse Dichtung Gehäuse | VMQ PA | korallenrot tiefschwarz |
| 2 | | | 14.60 | 3.90 | 3.00 | 14816.660.636 | Verriegelungsschieber | PBT-GF | lichtblau |
| Typ | Pol-zahl | Raster | l1 | l2 | l3 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

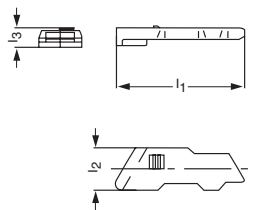
MKR PLUS MKS PLUS

MKR PLUS MKS PLUS

Type 1



Type 2



| Type | No. of ways | l1 | l2 | l3 | Keying | Part number | Specification | Material | Colour |
|------|-------------|-------|------|------|-----------|---------------|---|-----------|----------------------------|
| 2 | | 17.65 | 5.80 | 2.60 | | 14817.660.636 | Verriegelungsschieber | PBT-GF | lichtblau |
| 1 | 3 | 30.00 | | | A | 18167.000.001 | MKR PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | achatsgrau korallenrot |
| 1 | 3 | 30.00 | | | B | 18168.000.001 | MKR PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | tiefschwarz korallenrot |
| Typ | Polzahl | l1 | l2 | l3 | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

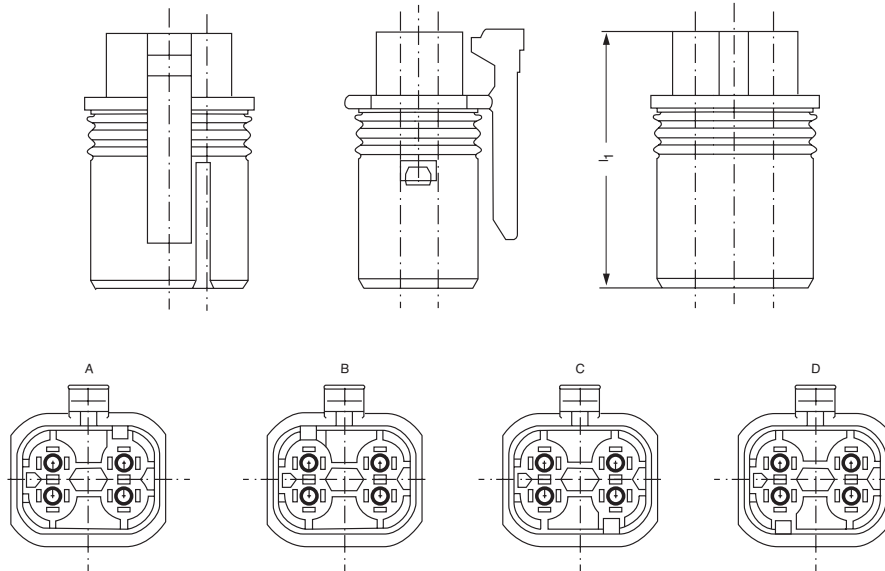
MKR PLUS MKS PLUS

Adapter for 4-way housings are available

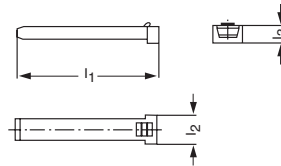
MKR PLUS MKS PLUS

Adapter für 4-polige Gehäuse sind lieferbar

Type 1



Type 2



| Type | No. of ways | l1 | l2 | l3 | Keying | Part number | Specification | Material | Colour |
|------|--------------|-------|------|------|-----------|---------------|---|-----------|----------------------------|
| 2 | | 18.10 | 3.75 | 2.60 | | 14818.660.636 | Verriegelungsschieber | PBT-GF | lichtblau |
| 1 | 4 | 30.00 | | | A | 18164.000.002 | MKR PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | achatgrau korallenrot |
| 1 | 4 | 30.00 | | | B | 18165.000.002 | MKR PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | tiefschwarz korallenrot |
| 1 | 4 | 30.00 | | | C | 18166.000.002 | MKR PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | gelbgrün korallenrot |
| 1 | 4 | 30.00 | | | D | 18261.000.002 | MKR PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | lehmbraun korallenrot |
| Typ | Pol- zahl | l1 | l2 | l3 | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

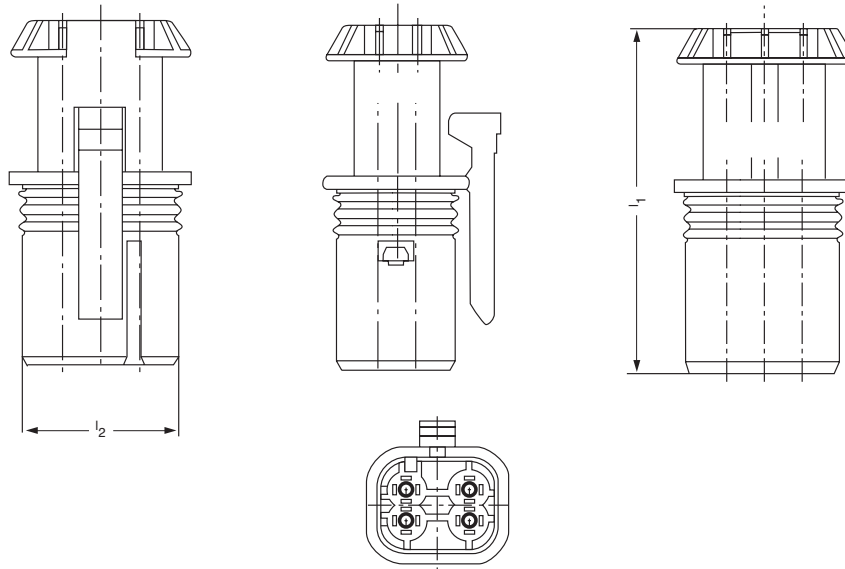
MKR PLUS MKS PLUS

Adapter for 4-way housings are available

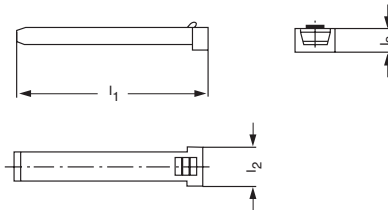
MKR PLUS MKS PLUS

Adapter für 4-polige Gehäuse sind lieferbar

Type 1



Type 2



| Type | No. of ways | l1 | l2 | l3 | Part number | Specification | Material | Colour |
|------|-------------|-------|-------|------|----------------------|---|-----------|----------------------------|
| 1 | 4 | 40.00 | 18.06 | | 18284.000.002 | MKR PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | tiefschwarz korallenrot |
| 2 | | 18.10 | 3.75 | 2.60 | 14818.660.636 | Verriegelungsschieber | PBT-GF | lichtblau |
| Typ | Pol-zahl | l1 | l2 | l3 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

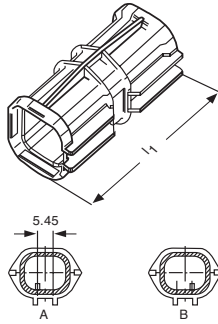
MKR PLUS MKS PLUS

Adapter for 2-, 3- and 4-way housings

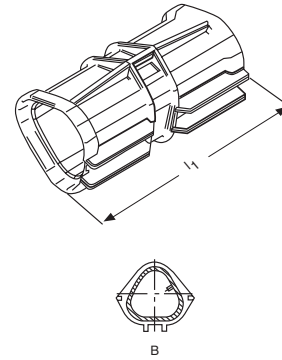
MKR PLUS MKS PLUS

Adapter für 2-, 3- and 4-polige Gehäuse

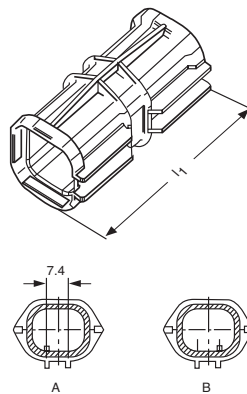
Type 1



Type 2



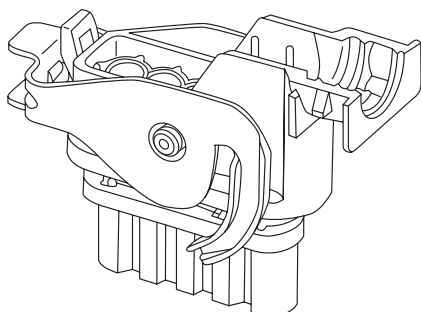
Type 3



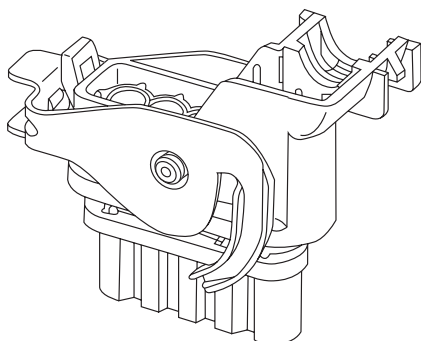
| Type | No. of ways | Keying | l1 | Part number | Specification | Material | Colour |
|------|-------------|-----------|-------|---------------|--------------------|-----------|-------------|
| 2 | 3 | B | 47.00 | 14165.592.699 | MKR PLUS - Gehäuse | PBT-GF | tiefschwarz |
| 1 | 2 | B | 47.00 | 14970.592.699 | MKR PLUS - Gehäuse | PBT-GF | tiefschwarz |
| 3 | 4 | B | 47.00 | 14971.592.699 | MKR PLUS - Gehäuse | PBT-GF | tiefschwarz |
| 1 | 2 | A | 47.00 | 16883.592.661 | MKR PLUS - Gehäuse | PBT-GF | achatgrau |
| 3 | 4 | A | 47.00 | 16884.592.661 | MKR PLUS - Gehäuse | PBT-GF | achatgrau |
| Typ | Pol-zahl | Kodierung | l1 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

MKR PLUS

Type 1

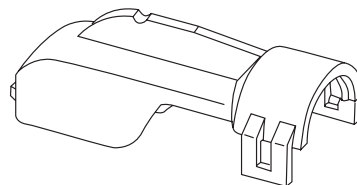


Type 3

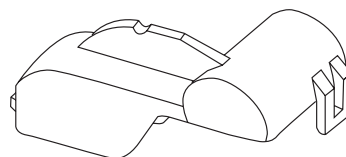


MKR PLUS

Type 2



Type 4



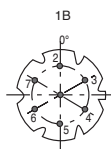
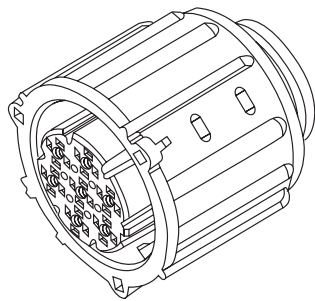
| Type | No. of ways | Part number | Specification | Material | Colour |
|------|-------------|---------------|---|-------------------|--|
| 2 | | 14899.625.699 | Deckel | PA66+PE | tiefschwarz |
| 4 | | 14900.625.699 | Deckel; 90 Grad | PA66+PE | tiefschwarz |
| 1 | 5 | 18241.000.000 | MKR PLUS - Gehäuse Verriegelungshebel Dichtung Schieber Gehäuse | VMQ PBT PBT | pastellorange verkehrspurpur tiefschwarz |
| 3 | 5 | 18242.000.000 | MKR PLUS - Gehäuse Verriegelungshebel Dichtung Schieber Gehäuse | VMQ PBT PBT | pastellorange verkehrspurpur tiefschwarz |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

MKR PLUS

MKR PLUS Housing

Designed for wire straight or 90° angled, for convoluted tube and multicore cable. The connector side of the housings has various coding.

Type 1

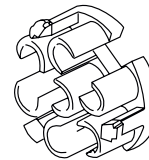


MKR PLUS

MKR PLUS Gehäuse

Ausgelegt für Endgehäuse in gerader oder 90° gewinkelter Ausführung bei Einsatz von Wellrohr oder Mantelleitung. Die Steckseite der Gehäuse ist unterschiedlich kodiert.

Type 2



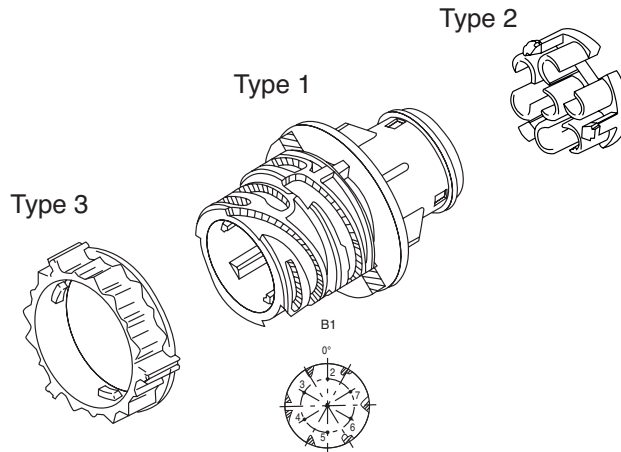
| Type | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|--------------|-----------|---------------|---|------------------|--------------------------------------|
| 1 | 7 | 1B | 18369.054.000 | MKR PLUS - Gehäuse Dichtung Überwurfmutter Gehäuse | VMQ PA PBT | lichtblau tiefschwarz gelbgrün |
| 1 | 7 | 1B | 18369.062.000 | MKR PLUS - Gehäuse Dichtung Überwurfmutter Gehäuse | VMQ PA PBT | lichtblau tiefschwarz grau |
| 2 | | | 16148.598.613 | Verriegelung | PBT+ASA-GF | zinkgelb |
| Typ | Pol- zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

MKS PLUS

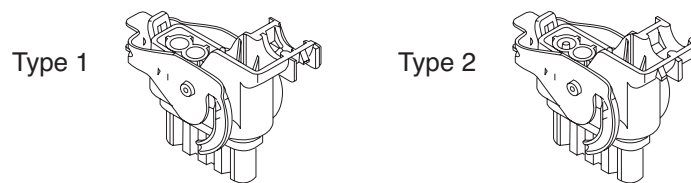
Designed for wire straight or 0°angled, for convoluted tube and multicore cable. The connector side of the housings has various codings.

MKS PLUS

Ausgelegt für Endgehäuse in gerader oder 0° gewinkelter Ausführung bei Einsatz von Wellrohr oder Mantelleitung. Die Steckseite der Gehäuse ist unterschiedlich codiert.



| Type | No. of ways | Keying | Part number | Specification | Material | Color |
|------|-------------|-----------|---------------|---|------------|---------------------|
| 1 | 7 | B1 | 18343.054.000 | MKS PLUS - Gehäuse Dichtung Gehäuse | VMQ PBT | korallenrot grün |
| 1 | 7 | B1 | 18343.062.000 | MKS PLUS - Gehäuse Dichtung Gehäuse | VMQ PBT | korallenrot grau |
| 2 | | | 16148.598.613 | Verriegelung | PBTASA-GF | zinkgelb |
| 3 | | | 16115.598.699 | Verriegelungsschieber | PBTASA-GF | tiefschwarz |
| Typ | Pol-zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |



| Type | Part number | Specification | Material | Color |
|------|---------------|---|--------------------------|---------------------------------------|
| 1 | 18683.000.000 | MKR PLUS - Gehäuse Verriegelungshebel Schieber Dichtung Gehäuse | ØNi PBT VMQ PBT | blank violett orange schwarz |
| 2 | 18920.000.000 | MKR PLUS - Gehäuse Verriegelungshebel Schieber Dichtung Gehäuse | ØNi PBT VMQ PBT | blank violett orange schwarz |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

MKR PLUS

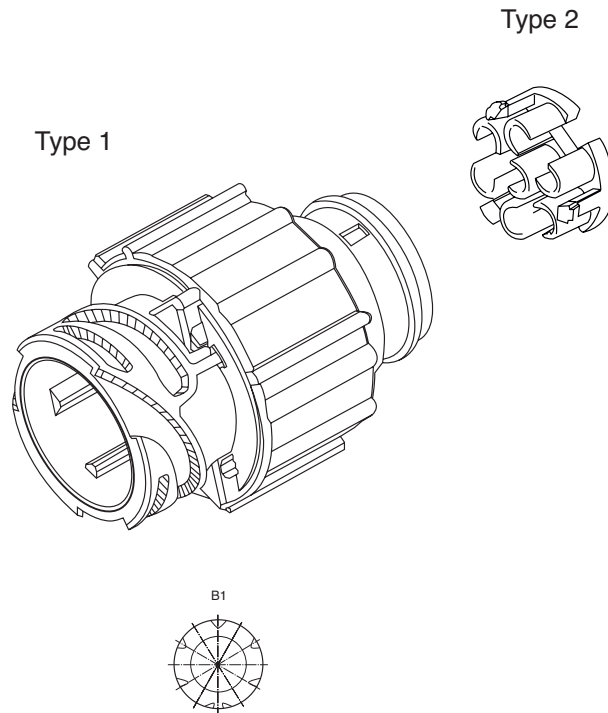
MKR PLUS Housing

Designed for wire straight or 0°angled, for convoluted tube and multicore cable. The connector side of the housings has various coding.

MKR PLUS

MKR PLUS Gehäuse

Ausgelegt für Endgehäuse in gerader oder 0° gewinkelter Ausführung bei Einsatz von Wellrohr oder Mantelleitung. Die Steckseite der Gehäuse ist unterschiedlich kodiert.



| Type | No. of ways | Keying | Part number | Specification | Material | Color |
|------|-------------|-----------|---------------|--------------------|-----------|-------------|
| 1 | 7 | B1 | 16765.598.663 | MKS PLUS - Gehäuse | PBTASA-GF | tiefschwarz |
| 2 | | | 16148.598.613 | Verriegelung | PBTASA-GF | zinkgelb |
| Typ | Pol-zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

MKR PLUS MKS PLUS

MKR PLUS Housing

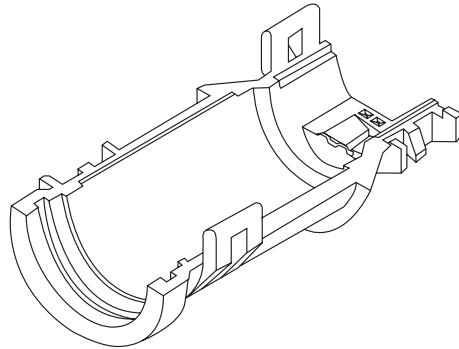
Wire entry straight or θ° angled, designed for convoluted tube or multicore cable.

MKR PLUS MKS PLUS

MKR PLUS Gehäuse

Endgehäuse für geraden bzw. θ° gewinkelten Leitungsabgang, ausgelegt für Wellrohr oder Mantelleitung.

Type 1



| Type | Part number | Specification | Material | Color | Foot-note |
|------|---------------|---------------|-----------|-------------|-----------|
| 1 | 14439.625.699 | Endgehäuse | PA66PE | tiefschwarz | 1 |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

1 For multicore cable

1 Für Mantelleitung

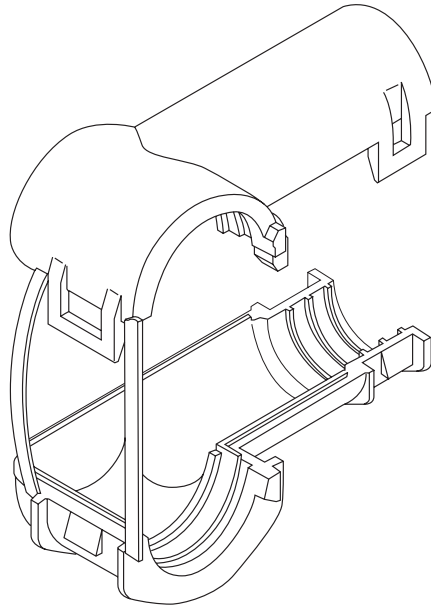
MKR PLUS MKS PLUS

Equipment

MKR PLUS MKS PLUS

Zubehör

Type 1



| Type | Part number | Specification | Material | Colour | Foot-note |
|------|---------------|---------------|-----------|-------------|-----------|
| 1 | 14830.625.699 | Endgehäuse | PA66+PE | tiefschwarz | *1 |
| 1 | 14931.625.699 | Endgehäuse | PA66+PE | tiefschwarz | *2 |
| 1 | 14873.625.699 | Endgehäuse | PA66+PE | tiefschwarz | *3 |
| 1 | 14932.625.699 | Endgehäuse | PA66+PE | tiefschwarz | *4 |
| 1 | 14828.625.699 | Endgehäuse | PA66+PE | tiefschwarz | *5 |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

*1 For multicore cable Ø 11 without over twist stop

*2 For convoluted tube NW 8.5 with over twist stop

*3 For convoluted tube NW 8.5 without over twist stop

*4 For convoluted tube NW 10 with over twist stop

*5 For convoluted tube NW 10 without over twist stop

*1 Für Mantelleitung Ø ohne Überdrehschutz

*2 Für Wellrohr NW 8,5 mit Überdrehschutz

*3 Für Wellrohr NW 8,5 ohne Überdrehschutz

*4 Für Wellrohr NW 10 mit Überdrehschutz

*5 Für Wellrohr NW 10 ohne Überdrehschutz

VKR PLUS / VKS PLUS MKR PLUS / MKS PLUS

Splash-proofed couplings, 12-way

These housings combine the 1.5 mm diameter (MKR PLUS / MKS PLUS) and 2.5 mm diameter (VKR PLUS / VKS PLUS) connector systems.

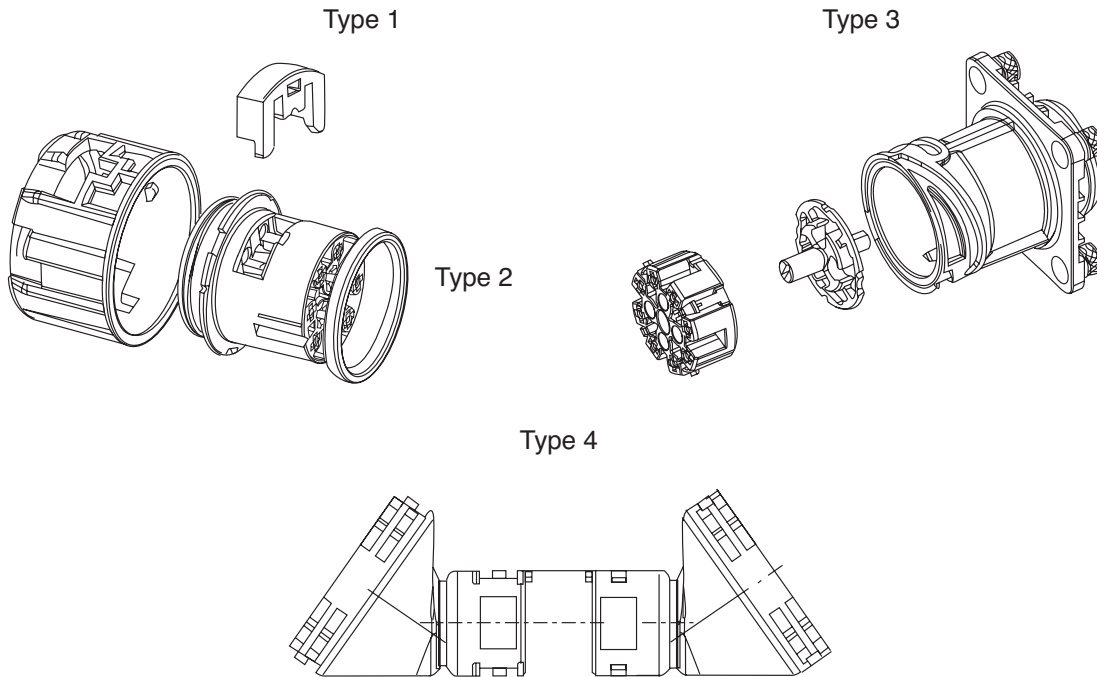
The 2.5 mm diameter connector system enables higher currents to be carried than permitted by the 1.5 mm diameter system.

VKR PLUS / VKS PLUS MKR PLUS / MKS PLUS

Spritzwassergeschützte Kupplungen, 12-polig

Diese Gehäuse kombinieren die Rundstecksysteme 1,5 mm Durchmesser (MKR PLUS / MKS PLUS) und 2,5 mm Durchmesser (VKR PLUS / VKS PLUS)

Das 2,5 mm Durchmesser Rundstecksystem ermöglicht die Übertragung höherer Ströme als sie das 1,5 mm Durchmesser System zuläßt.



| Type | No. of ways | Part number | Specification | Material | Colour | Keying | Foot-note |
|------|-------------|---------------|---|-------------------|---|-----------|-----------|
| 1 | | 14909.598.621 | Verriegelungsschieber | PBT-GF | feuerrot | | |
| 2 | 12 | 18249.000.000 | MKR PLUS - Gehäuse Dichtung Überwurfmutter Gehäuse | VMQ PBT PBT | korallenrot tiefschwarz tiefschwarz | 18248 | |
| 3 | 12 | 18248.000.000 | MKR PLUS - Gehäuse Innengehäuse Schieber | PBT PBT | tiefschwarz feuerrot | 18249 | |
| 4 | | 14284.000.000 | Sicherungsträger | | | | *1 |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Kodierung | Fuß-note |

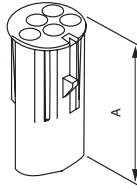
*1 For convoluted tube NW 13

*1 Für Wellrohr NW 13

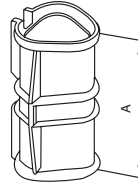
MKR PLUS MKS PLUS

MKR PLUS MKS PLUS

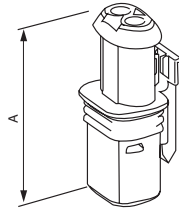
Type 1



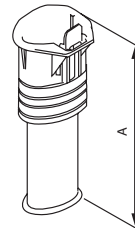
Type 2



Type 3

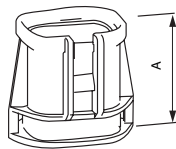


Type 4

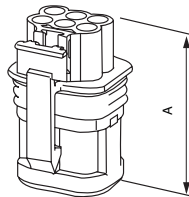


| Type | A | Part number | Specification | Material | Colour |
|------|----|---------------|--------------------|-------------|---------|
| 1 | 3 | 13236.568.699 | MKR PLUS - Gehäuse | PA66PE-GF13 | schwarz |
| 2 | 47 | 14569.592.661 | MKR PLUS - Gehäuse | PBT-GF20 | grau |
| 3 | Ø5 | 18385.000.002 | MKR PLUS - Gehäuse | PBT | grau |
| 3 | Ø5 | 18625.000.002 | MKR PLUS - Gehäuse | PBT | braun |
| 4 | 55 | 18654.000.001 | MKS PLUS - Gehäuse | PA6-GF25 | schwarz |
| Typ | A | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

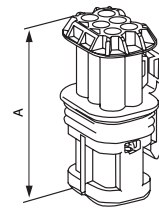
Type 1



Type 2



Type 3



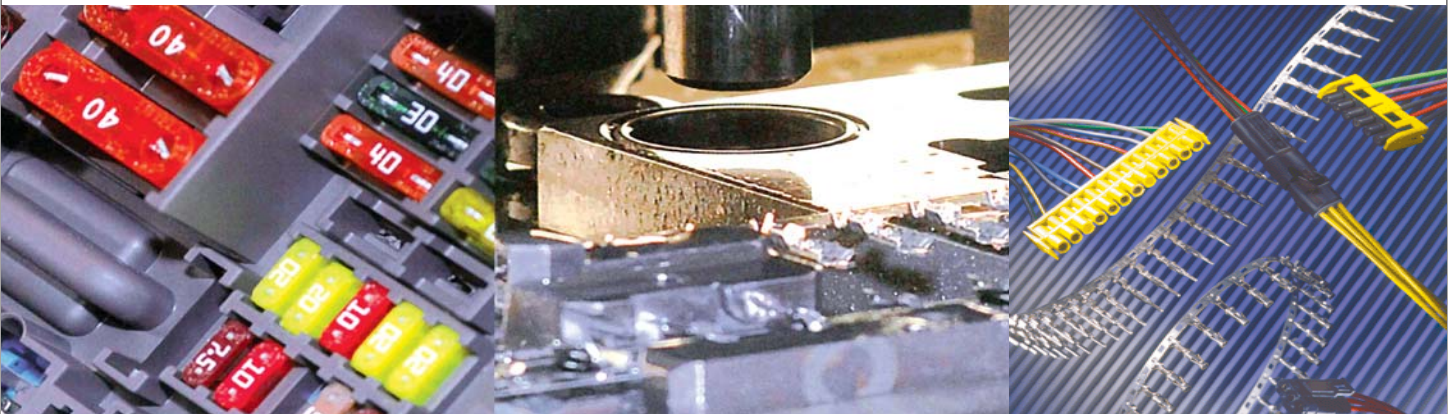
| Type | A | Part number | Specification | Material | Colour |
|------|------|---------------|--------------------|-----------|---------|
| 1 | 26.5 | 18409.000.000 | Potentialverteiler | PBT | gelb |
| 2 | 3.45 | 18651.000.001 | MKR / MKS PLUS | PBT | gelb |
| 2 | 3.45 | 18732.000.001 | MKR / MKS PLUS | PBT | schwarz |
| 2 | 3.45 | 18733.000.001 | MKR / MKS PLUS | PBT | grau |
| 3 | Ø5 | 18650.000.001 | MKR / MKS PLUS | PBT | gelb |
| 3 | Ø5 | 18872.000.001 | MKR / MKS PLUS | PBT | grün |
| 3 | Ø5 | 18421.000.000 | MKR / MKS PLUS | PBT | grau |
| Typ | A | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

CONI

Pin and Socket Systems 1.6 mm and 2.1 mm diameter

CONI

Rundstecksysteme 1,6 mm Ø und 2,1 mm Ø



CONI

Pin and socket systems 1.6 mm dia. and 2.1 mm dia

The three **CONI** pin-and-socket systems are designed for single-way and multi-way connectors. They are used in the automotive industry, domestic appliance industry, control engineering and consumer electronics.

Characteristics

- high mechanical reliability
- good contact force
- maximum operating reliability in housings with secondary locking.

Use

- as a flying coupling
- as a combined connector system with RAM terminals (3.5 mm diameter)
- for splash-proof applications
- for connections to components

Terminals

CONI 1

- sockets and pins with a pin diameter of 1.6 mm

CONI 2

- sockets and pins with a pin diameter of 1.6 mm
- locking latches for secondary locking

CONI 3

- sockets for pins with a diameter of 2.1 mm
- locking latches for secondary locking

Housings

Design details of the housings for a high operating safety:

- secondary locking
- coding
- hinged cover

CONI

Rundstecksysteme 1,6 mm Ø und 2,1 mm Ø

Die drei **CONI** Rundstecksysteme sind für ein- und mehrpolige Steckverbindungen konstruiert. Die Anwendung erfolgt in der Kfz- und Hausgeräteindustrie, der Steuerungstechnik und der Unterhaltungselektronik.

Eigenschaften

- hohe mechanische Zuverlässigkeit
- gute Kontaktkraft
- höchste Betriebssicherheit bei Gehäuseeinsatz mit Zusatzverriegelungen

Einsatz

- als fliegende Kupplung
- als kombiniertes Steckverbindersystem mit RAM Kontakten (3,5 mm Durchmesser)
- für spritzwassergeschützte Anwendungen
- zum Stecken auf Bauteile

Kontakte

CONI 1

- Rundsteckhülsen und Rundstecker mit Stiftdurchmesser 1,6 mm

CONI 2

- Rundsteckhülsen und Rundstecker mit Stiftdurchmesser 1,6 mm
- Verriegelungslaschen für Zusatzverriegelungen

CONI 3

- Rundsteckhülsen für Stiftdurchmesser 2,1 mm
- Verriegelungslaschen für Zusatzverriegelungen

Gehäuse

Konstruktive Details der Gehäuse für eine hohe Betriebssicherheit:

- Zusatzverriegelungen
- Kodierungen
- Klappdeckel

CONI

Delivery form

Terminals

- single form for hand crimping tools, crimping devices
- chain form for semi-automatic and fully-automatic machines

Housings

- loose in standard packs
- bandolier form for fully-automatic processing

CONI

Lieferform

Kontakte

- Einzelform für Handcrimpwerkzeuge, Crimpgeräte
- Bandform für Halb- und Vollautomaten

Gehäuse

- lose in Standardverpackungen
- gegurtet für die vollautomatische Verarbeitung

| Technical Data | | Technische Daten |
|---|--|--|
| CONI 1, CONI 2, CONE 2 PLUS Insertion force • 1st cycle • 20th cycle Withdrawal force • 1st cycle • 20th cycle Contact back-out force Contact resistance | max. 6 N min. 3 N max. 6,5 N min. 3 N >70N 3 mΩ | CONI 1, CONI 2, CONI 2 PLUS Aufsteckkraft • 1. Steckung • 20. Steckung Abziehkraft • 1. Abziehen • 20. Absiehen Ausreißkraft aus dem Gehäuse Durchgangswiderstand |

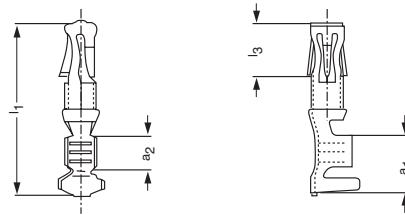
CONI 1

CONI 1

CONI 1 sockets 1.6 mm diameter

CONI 1 Rundsteckhülsen 1,6 mm Ø

Type 1



| Type | Wire cross section qmm | Pin diameter | a1 | a2 | l1 | l3 | Material thickness | Form E=single B=chain | Part number | Specification | Material | Surface | Terminal feed |
|------|------------------------|--------------|------|------|-------|------|--------------------|-----------------------|--|--|------------------------|----------------|-----------------|
| 1 | 0.14 - 0.25 | 1.60 | 5.50 | 3.00 | 16.00 | 4.90 | 0.25 | B | 25711.123.178 | CONI 1 - Rundstecker | CuZn | Sn | NQ |
| 1 | 0.3 - 0.6 | 1.60 | 5.50 | 3.00 | 16.00 | 4.90 | 0.30 | B | 25703.123.178 25703.213.178 | CONI 1 - Rundstecker CONI 1 - Rundstecker | CuZn CuSn | Sn Sn | NQ |
| 1 | 0.75 - 1.5 | 1.60 | 5.50 | 3.00 | 16.00 | 4.90 | 0.25 | B | 25511.123.178 | CONI 1 - Rundstecker | CuZn | Sn | NQ |
| 1 | 0.75 - 1.5 | 1.60 | 5.50 | 3.00 | 16.00 | 4.90 | 0.30 | B B B | 25704.123.178 25704.213.178 25704.331.178 | CONI 1 - Rundstecker CONI 1 - Rundstecker CONI 1 - Rundstecker | CuZn CuSn CuFe2P | Sn Sn Sn | NQ |
| 1 | 1.5 - 2.5 (2 X 1) | 1.60 | 5.50 | 3.00 | 16.00 | 4.90 | 0.30 | B B | 25706.123.178 25706.213.178 | CONI 1 - Rundstecker CONI 1 - Rundstecker | CuZn CuSn | Sn Sn | NQ |
| Typ | Nennquerschnitt qmm | Stift-Ø | a1 | a2 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

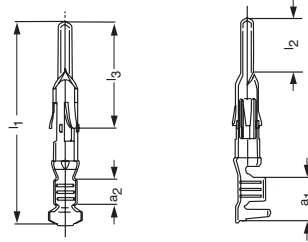
CONI 1

CONI 1 pin 1.6 mm diameter

CONI 1

CONI 1 Rundstecker 1,6 mm Ø

Type 1



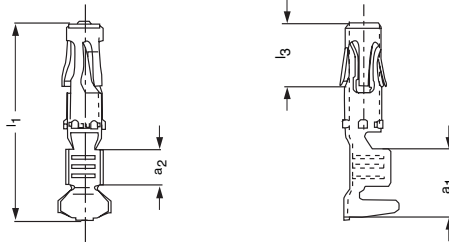
| Type | Wire cross section qmm | Pin diameter | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Specification | Material | Surface | Terminal feed |
|------|------------------------|--------------|------|------|-------|------|-------|--------------------|-----------------------|--|--|--------------|------------|-----------------|
| 1 | 0.3 - 0.6 | 1.60 | 5.50 | 3.00 | 25.50 | 6.00 | 13.50 | 0.30 | B B | 25623.123.178 25623.213.178 | CONI 1 - Rundstecker CONI 1 - Rundstecker | CuZn CuSn | CuZn Sn | NQ |
| 1 | 0.75 - 1.5 | 1.60 | 5.50 | 3.00 | 25.50 | 6.00 | 13.50 | 0.30 | B B | 25523.123.178 25523.213.178 | CONI 1 - Rundstecker CONI 1 - Rundstecker | CuZn CuSn | CuZn Sn | NQ |
| 1 | 1.5 - 2.5 (2 X 1) | 1.60 | 5.50 | 3.00 | 25.50 | 6.00 | 13.50 | 0.30 | B B | 25522.123.178 | CONI 1 - Rundstecker | CuSn | CuZn | NQ |
| Typ | Nennquerschnitt qmm | Stift-Ø | a1 | a2 | l2 | l1 | l3 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

CONI 2

CONI 2 sockets 1.6 mm diameter for secondary locking

There are 6 raised clips below the locking latch which enable insertion in housings with secondary locking.

Type 1



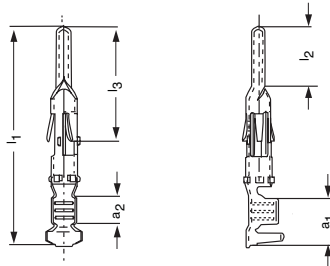
| Type | Wire cross section qmm | Pin diameter | a1 | a2 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Specification | Material | Surface | Terminal feed |
|------|------------------------|--------------|------|------|-------|------|--------------------|-----------------------|--|--|--------------|------------|-----------------|
| 1 | 0.3 - 0.6 | 1.60 | 5.50 | 3.00 | 16.00 | 4.90 | 0.30 | B | 26703.213.178 | CONI 1 - Rundstecker | CuZn | Sn | NQ |
| 1 | 0.75 - 1.5 | 1.60 | 5.50 | 3.00 | 16.00 | 4.90 | 0.30 | B B | 26704.123.178 26704.213.178 | CONI 1 - Rundstecker CONI 1 - Rundstecker | CuZn CuSn | Sn Sn | NQ |
| Typ | Nennquerschnitt qmm | Stift-Ø | a1 | a2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

CONI 2

CONI 2 Rundsteckhülsen 1,6 mm Ø für Zusatzverriegelung

Unterhalb der Verriegelungsarme sind 6 Laschen ausgeprägt. Diese ermöglichen den Einsatz in Gehäusen mit Zusatzverriegelungen.

Type 1



| Type | Wire cross section qmm | Pin diameter | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Specification | Material | Surface | Terminal feed |
|------|------------------------|--------------|------|------|-------|------|-------|--------------------|-----------------------|--|--|--------------|------------|-----------------|
| 1 | 0.3 - 0.6 | 1.60 | 5.50 | 3.00 | 25.50 | 6.00 | 13.50 | 0.30 | B | 26623.213.178 | CONI 1 - Rundstecker | CuZn | Sn | NQ |
| 1 | 0.75 - 1.5 | 1.60 | 5.50 | 3.00 | 25.50 | 6.00 | 13.50 | 0.30 | B B | 26523.123.178 26523.213.178 | CONI 1 - Rundstecker CONI 1 - Rundstecker | CuZn CuSn | Sn Sn | NQ |
| Typ | Nennquerschnitt qmm | Stift-Ø | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

CONI

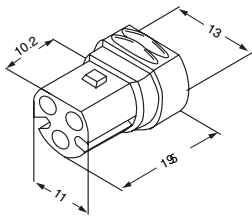
CONI housings

The housings series are suitable for a wide range of possible applications. They are suitable both for use as couplings and as connectors for connection to electrical components. Various keying features in conjunction with different colours facilitate use of the system. Interlocking of the housings or locking onto electrical components is ensured by locking mechanism.

The described housings give you an idea of the product range of Lear. Some of the applications have been tailored to the needs of our customers and are therefore not free available (please contact us).

CONI 1 couplings

Type 1



CONI

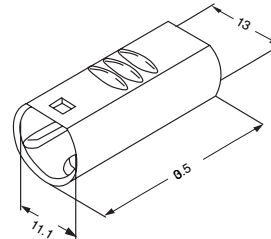
CONI Gehäuse

Die Gehäusebaureihen zeichnen sich durch vielseitige Anwendungsmöglichkeiten aus. Sie können eingesetzt werden als Kupplung sowie als Steckverbinder zum Anschluß an Elektrokomponenten. Unterschiedliche Kodiermerkmale in Verbindung mit verschiedener Farbgebung erleichtern dem Anwender den Einsatz des Systems. Die Verriegelung der Gehäuse untereinander bzw. auf den Elektrokomponenten wird durch Verriegelungsmechanismen gewährleistet.

Die dargestellten Gehäuse geben einen Einblick in das Lieferprogramm von Lear. Einige Anwendungen sind speziell auf die Bedürfnisse des Kunden abgestimmt und daher nicht frei verfügbar (Klärung nach Rücksprache).

CONI 1 Kupplungen

Type 2

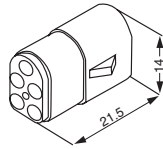


| Type | No. of ways | Keying | Part number | Specification | Material | Colour | Part of |
|------|-------------|-------------------|---------------|----------------|-----------|--------|------------|
| 1 | 3 | durch Gehäuseform | 16182.559.501 | Ø1 1 - Gehäuse | PA66 | natur | 16183 |
| 2 | 3 | durch Gehäuseform | 16183.559.501 | FS 6,3 Gehäuse | PA66 | natur | 16182 |
| Typ | Polzahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu. |

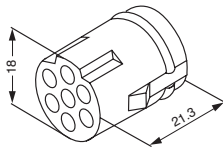
CONI 1

CONI 1 couplings

Type 1



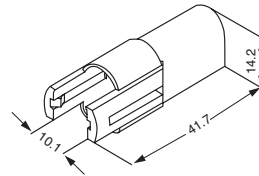
Type 3



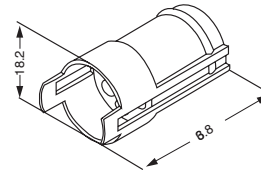
CONI 1

CONI 1 Kupplungen

Type 2



Type 4

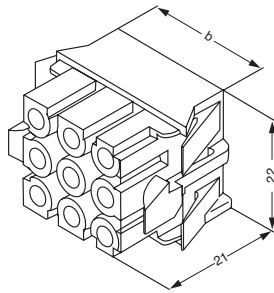


| Type | No. of ways | Keying | Part number | Specification | Material | Colour | Part of |
|------|-------------|--------------------|---------------|---------------|-----------|---|------------|
| 1 | 5 | durch Gehäuseform | 16643.559.621 | Ø1 - Gehäuse | PA66 | feuerrot lichtblau tiefschwarz | 16644 |
| | | | 16643.559.636 | Ø1 - Gehäuse | | | |
| | | | 16643.559.699 | Ø1 - Gehäuse | | | |
| 2 | 5 | durch Gehäuseform | 16644.559.501 | Ø1 - Gehäuse | PA66 | natur feuerrot lichtblau tiefschwarz | 16643 |
| | | | 16644.559.621 | Ø1 - Gehäuse | | | |
| | | | 16644.559.636 | Ø1 - Gehäuse | | | |
| | | | 16644.559.699 | Ø1 - Gehäuse | | | |
| 3 | 7 | durch Führungssteg | 16317.565.696 | Ø1 - Gehäuse | PA66 | tiefschwarz | 1638 |
| 4 | 7 | durch Führungssteg | 16318.565.696 | Ø1 - Gehäuse | PA66 | tiefschwarz | 1637 |
| Typ | Polzahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu. |

CONI 1

CONI 1 couplings

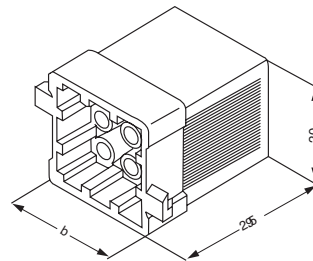
Type 1



CONI 1

CONI 1 Kupplungen

Type 2



| Type | No. of ways | b | Keying | Part number | Specification | Material | Colour | Part of |
|------|-------------|-------|------------------|----------------------|---------------|-----------|--------|------------|
| 1 | 3 | 8.00 | Verpolungsschutz | 16160.562.501 | Ø1 - Gehäuse | PA66 | natur | 16161 |
| 1 | 6 | 15.00 | Verpolungsschutz | 16162.562.501 | Ø1 - Gehäuse | PA66 | natur | 16163 |
| 1 | 9 | 22.00 | Verpolungsschutz | 16164.562.501 | Ø1 - Gehäuse | PA66 | natur | 16165 |
| 2 | 3 | Ø0 | Verpolungsschutz | 16161.562.501 | Ø1 - Gehäuse | PA66 | natur | 16160 |
| 2 | 6 | 16.40 | Verpolungsschutz | 16163.562.501 | Ø1 - Gehäuse | PA66 | natur | 16162 |
| 2 | 9 | 23.00 | Verpolungsschutz | 16165.562.501 | Ø1 - Gehäuse | PA66 | natur | 16164 |
| Typ | Polzahl | b | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu. |

CONI 1

Splash-proof system 1.6 mm diameter

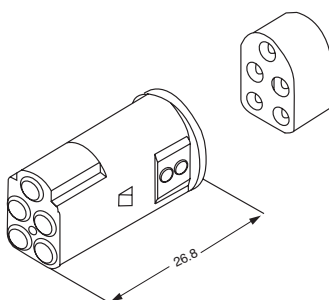
Splash-proof **CONI 1** terminals fulfil the requirements of DIN 40050, IP 64. They have stood the test under the most stringent mechanical and climatic conditions.

CONI 1

Spritzwassergeschütztes Rundstecksystem 1,6 mm Ø

Spritzwassergeschützte **CONI 1** Steckverbinder erfüllen die Anforderungen nach DIN 40050, IP 64. Sie bewähren sich unter härtesten mechanischen und klimatischen Bedingungen.

Type 1



| Type | Insulation diameter | No. of ways | Part number | Specification | Material | Colour | Part of |
|------|---------------------|--------------|---------------|---|-----------|----------------------------|------------|
| 1 | 1.5 - 2.9 | 2 | 17120.050.000 | CONI 1 - Gehäuse Gehäuse Leitungsdichtung | PA SIR | tiefschwarz himmelblau | 17240 |
| | | | 17120.056.000 | CONI 1 - Gehäuse Gehäuse Leitungsdichtung | PA SIR | himmelblau himmelblau | |
| 1 | 1.5 - 2.9 | 3 | 17109.050.000 | CONI 1 - Gehäuse Gehäuse Leitungsdichtung | PA SIR | tiefschwarz korallenrot | 17238 |
| 1 | 1.5 - 2.9 | 3 | 17236.050.000 | CONI 1 - Gehäuse Gehäuse Leitungsdichtung | PA SIR | tiefschwarz korallenrot | 17237 |
| 1 | 1.5 - 2.9 | 4 | 17136.050.000 | CONI 1 - Gehäuse Gehäuse Leitungsdichtung | PA SIR | tiefschwarz beige | 17137 |
| Typ | Isol.- Ø | Pol- zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu. |

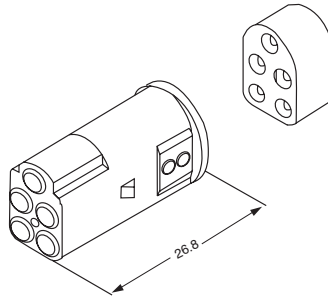
CONI 1

Splash-proof system 1.6 mm diameter

CONI 1

Spritzwassergeschütztes Rundstecksystem
1,6 mm Ø

Type 1



| Type | Insulation diameter | No. of ways | Part number | Specification | Material | Colour | Part of |
|------|---------------------|--------------|--------------------------------|--|------------------------|--|------------|
| 1 | | 5 | 16365.562.699 | CONI 1 - Gehäuse | PA66 | tiefschwarz | |
| 1 | 1.5 - 2.9 | 5 | 17036.050.000 17036.052.000 | CONI 1 - Gehäuse Gehäuse Leitungsdichtung CONI 1 - Gehäuse Gehäuse Leitungsdichtung | PA SIR PA SIR | tiefschwarz silbergrau natur silbergrau | 17037 |
| 1 | 1.5 - 2.9 | 5 | 17108.050.000 | CONI 1 - Gehäuse Gehäuse Leitungsdichtung | SIR PA | tiefschwarz silbergrau | 17338 |
| Typ | Isol.- Ø | Pol- zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu. |

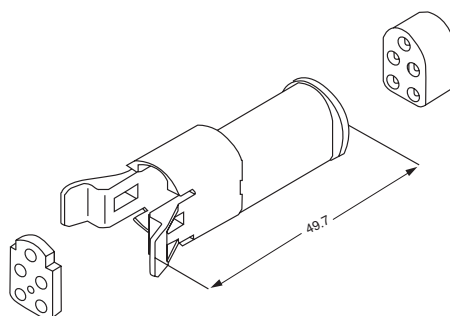
CONI 1

Splash-proof system 1.6 mm diameter

CONI 1

Spritzwassergeschütztes Rundstecksystem
1,6 mm Ø

Type 1



| Type | Insulation diameter | No. of ways | Keying | Part number | Specification | Material | Colour | Part of |
|------------|---------------------|----------------------|------------------|------------------|---|------------------|--|-------------------|
| 1 | 1.5 - 2.9 | 2 | durch Farbwahl | 17240.050.000 | CONI 1 - Gehäuse Gehäuse Leitungsichtung Steckerdichtung | PA SIR SIR | tiefschwarz himmelblau silbergrau | 17120 |
| 1 | 1.5 - 2.9 | 2 | | 17938.000.000 | CONI 1 - Gehäuse Gehäuse Leitungsichtung Steckerdichtung | PA SIR SIR | himmelblau silbergrau himmelblau | 17935 |
| 1 | 1.5 - 2.9 | 3 | durch Farbwahl | 17237.050.000 | CONI 1 - Gehäuse Gehäuse Leitungsichtung Steckerdichtung | PA SIR SIR | tiefschwarz silbergrau korallenrot | 17236 |
| 1 | 1.5 - 2.9 | 3 | | 17238.050.000 | CONI 1 - Gehäuse Gehäuse Leitungsichtung Steckerdichtung | PA SIR SIR | tiefschwarz silbergrau korallenrot | 17109 |
| 1 | 1.5 - 2.9 | 4 | | 17138.050.000 | CONI 1 - Gehäuse Gehäuse Leitungsichtung Steckerdichtung | PA SIR SIR | tiefschwarz silbergrau beige | 17110 |
| Typ | Isol.- Ø | Pol- zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu. |

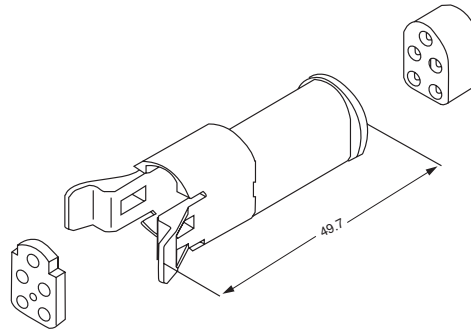
CONI 1

Splash-proof system 1.6 mm diameter

CONI 1

Spritzwassergeschütztes Rundstecksystem
1,6 mm Ø

Type 1



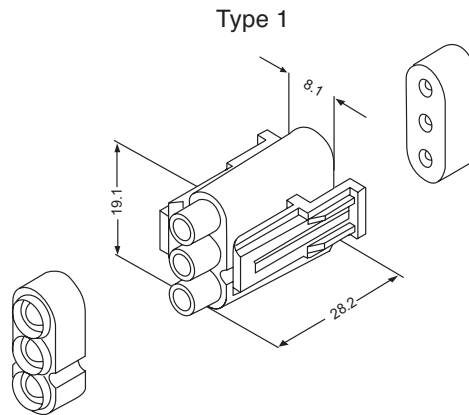
| Type | Insulation diameter | No. of ways | Keying | Part number | Specification | Material | Colour | part of |
|------|---------------------|--------------|----------------|--|--|--|--|--------------|
| 1 | 1.5 - 2.9 | 5 | durch Farbwahl | 17037.050.000 17037.052.000 | CONI 1 - Gehäuse Gehäuse Leitungsichtung Steckerdichtung CONI 1 - Gehäuse Gehäuse Leitungsichtung Steckerdichtung | PA SIR SIR PA SIR SIR | tiefschwarz silbergrau silbergrau natur silbergrau silbergrau | 17036 |
| 1 | 1.5 - 2.9 | 5 | durch Farbwahl | 17338.050.000 17338.055.000 | CONI 1 - Gehäuse Gehäuse Leitungsichtung Steckerdichtung CONI 1 - Gehäuse Gehäuse Leitungsichtung Steckerdichtung | PA SIR SIR PA SIR SIR | tiefschwarz silbergrau silbergrau beige silbergrau silbergrau | 17108 |
| Typ | Isol.- Ø | Pol- zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu |

CONI 1

Splash-proof system 1.6 mm diameter

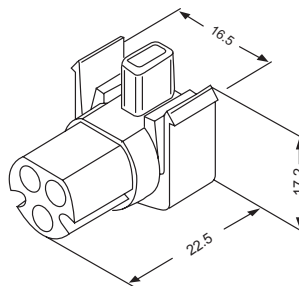
CONI 1

Spritzwassergeschütztes Rundstecksystem
1,6 mm Ø



| Type | Insulation diameter | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|---------------------|-------------|--|---------------|--|-----------------|---------------------------------------|
| 1 | 1.6 - 2.7 | 3 | d. Nut in Leitungsdichtung und Gehäuse | 17099.000.000 | CONI 1 - Gehäuse Gehäuse Leitungsdichtung Steckerdichtung | PA SIR CR | tiefschwarz fehgrau tiefschwarz |
| 1 | 1.6 - 2.7 | 3 | kodierter Verriegelungsarm | 18264.000.000 | CONI 1 - Gehäuse Gehäuse Leitungsdichtung Steckerdichtung | PA SIR CR | tiefschwarz fehgrau tiefschwarz |
| Typ | Isol.-Ø | Pol-zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Type 1



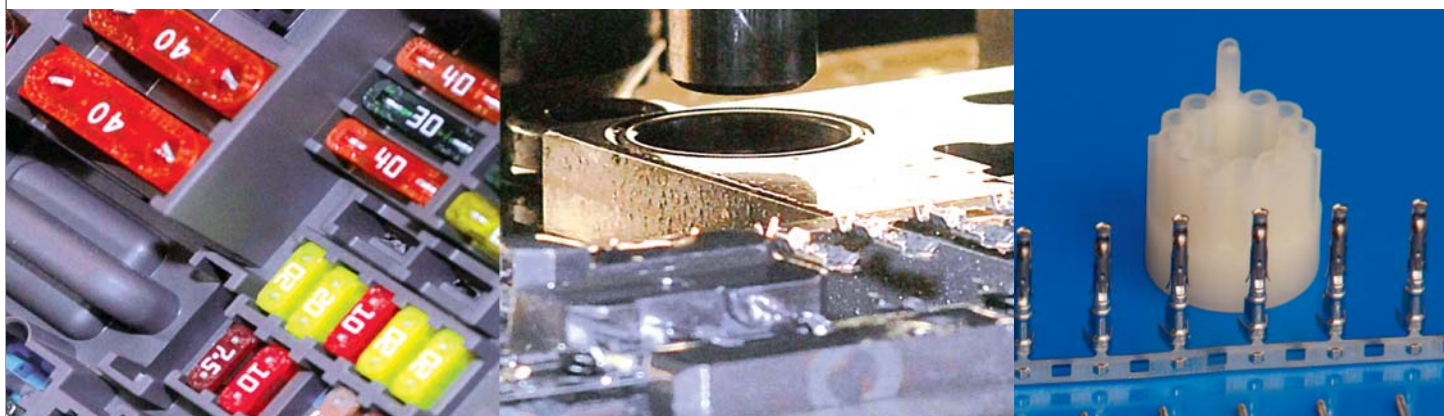
| Type | No. of ways | Part number | Specification | Material | Colour |
|------|-------------|---------------|------------------|-----------|-------------|
| 1 | 3 | 16566.562.699 | CONI 1 - Gehäuse | PA66 | tiefschwarz |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

RSA 2

Pin and Socket Systems 1.6 mm diameter

RSA 2

Rundsteckverbindersysteme 1,6 mm Ø



RSA 2

Pin and socket systems 1.6 mm diameter with stainless steel spring

The **RSA 2** pin and socket system is designed for single-way and multi-way connectors. It is used in the automotive industry, domestic appliance industry, control engineering and consumer electronics. For splash-proof applications with single wire seals the RSA 2 PLUS is used.

Characteristics

- high contact back-out force through locking in housing with stainless steel spring
- high current rating due to stainless steel springs
- high mechanical reliability
- good contact force

Use

- for connections to components
- for contact to PC boards with a pin carrier
- for splash-proof applications

Terminals

RSA 2

- sockets and pins with a pin diameter of 1.6 mm
- with stainless steel spring

RSA 2 PLUS

- sockets and pins with a pin diameter of 1.6 mm with stainless steel spring
- the insulation claw is designed to accommodate single wire seals

Housings

RSA 2

Design details of the housings for higher security:

- secondary locking
- coding
- hinged cover

RSA 2 PLUS

- on request

RSA 2

Rundsteckverbindersysteme 1,6 mm Ø, mit Stahlfeder

Das **RSA 2** Rundstecksystem ist ausgelegt für ein- und vielpolige Steckverbindungen. Die Anwendung erfolgt in der Kfz- und Hausgeräteindustrie sowie in der Steuerungstechnik und Unterhaltungselektronik. Für die spritzwassergeschützte Anwendung mit Seal (Einzelleitungsichtung) dient der RSA 2 PLUS.

Eigenschaften

- hohe Ausreißkraft aus dem Gehäuse durch Verrastung mit Stahlfeder
- hohe Strombelastbarkeit durch Stahlfedern
- hohe mechanische Zuverlässigkeit
- gute Kontaktkraft

Einsatz

- zum Stecken auf Bauteile
- zum Kontaktieren von Leiterplatten in Verbindung mit einer Stiftleiste
- für spritzwassergeschützte Anwendung

Kontakte

RSA 2

- Rundsteckhülsen und Rundstecker, Stiftdurchmesser 1,6 mm
- mit Stahlfeder

RSA 2 PLUS

- Rundsteckhülsen und Rundstecker, Stiftdurchmesser 1,6 mm
- mit Stahlfeder

Gehäuse

RSA 2

Konstruktive Details zur Erhöhung der Betriebssicherheit:

- Zusatzverriegelungen
- Kodierungen
- Klappdeckel

RSA 2 PLUS

- auf Anfrage

RSA 2

Pin carriers

RSA 2

- for soldering into PC boards
- matched to the corresponding housings
- coded to prevent incorrect insertion

Delivery form

Terminals

- single form for hand crimping tools, crimping units
- chain form for semi-automatic and fully-automatic machines

Housings

- loose in standard packs

Pin carriers

- loose in standard packs

RSA 2

Stiftleisten

RSA 2

- zum Einlöten in Leiterplatten
- abgestimmt auf entsprechende Gehäuse
- Kodierungen gegen Fehlstecken

Lieferform

Kontakte

- Einzelform für Handcrimpwerkzeuge, Crimpgeräte
- Bandform für Halb- und Vollautomaten

Gehäuse

- lose in Standardverpackungen

Stiftleisten

- lose in Standardverpackungen

| Technical Data | | Technische Daten |
|--------------------------------|------------|--------------------------------|
| Wire cross section | 0,5-2.5qmm | Leiternennquerschnitt |
| Insertion force | min 1,0 N | Aufsteckkraft |
| Withdrawal force | max. 4,5 N | Abziehkraft |
| Contact back-out force | ≥ 90 N | Ausreißkraft aus dem Gehäuse |
| Stainless steel spring | | Stahlfeder |
| Current rating (Constant load) | max. 13A | Strombelastbarkeit (Dauerlast) |

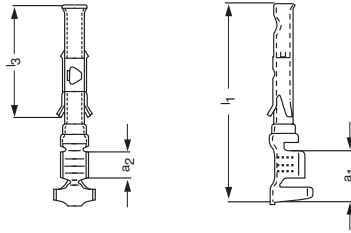
RSA 2

RSA 2

RSA 2 sockets and pins

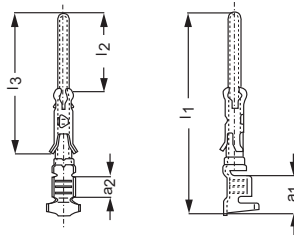
RSA 2 Rundsteckhülsen und Rundstecker

Type 1



| Type | Wire cross section qmm | Insulation diameter | Pin diameter | a1 | a2 | l1 | l3 | Material thickness | Steel spring | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|---------------------|--------------|------|------|-------|-------|--------------------|--------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5 -1.0 | 2 - 3.3 | 1.60 | 5.30 | 2.90 | 20.30 | 11.70 | 0.32 | X | B | 26980.124.178 | CuZn | Sn | NQ |
| | | | | | | | | | | B | 26980.201.179 | CuSn | Sn | |
| | | | | | | | | | | B | 26980.213.178 | CuSn | Sn | |
| 1 | 1.5 - 2.5 | 2.7 - 4.3 | 1.60 | 5.30 | 2.90 | 20.30 | 11.70 | 0.32 | X | B | 26981.201.179 | CuSn | Sn | NQ |
| | | | | | | | | | | B | 26981.213.178 | CuSn | Sn | |
| Typ | Nennquerschnitt qmm | Isol.-Ø | Stift.-Ø | a1 | a2 | l1 | l3 | Mat.-dicke | Stahlfeder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1



| Type | Wire cross section qmm | Insulation diameter | Pin diameter | a1 | a2 | l1 | l2 | l3 | Material thickness | Steel spring | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|---------------------|--------------|------|------|-------|-------|-------|--------------------|--------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5 -1.0 | 2 - 3.3 | 1.60 | 5.30 | 2.90 | 29.00 | 11.70 | 20.20 | 0.35 | X | B | 26986.201.179 | CuZn | Sn | NQ |
| | | | | | | | | | | | B | 26986.213.178 | CuSn | Sn | |
| 1 | 1.5 - 2.5 | 2.7 - 4.3 | 1.60 | 5.30 | 2.90 | 29.00 | 11.70 | 20.20 | 0.35 | X | B | 26988.201.179 | CuSn | Sn | NQ |
| | | | | | | | | | | | B | 26988.213.178 | CuSn | Sn | |
| Typ | Nennquerschnitt qmm | Isol.-Ø | Stift.-Ø | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Stahlfeder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

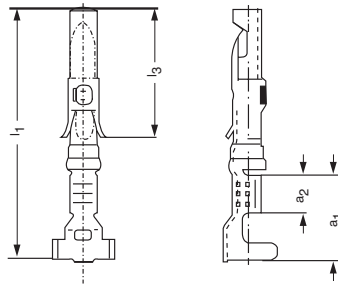
RSA 2 PLUS

RSA 2 PLUS

RSA 2 PLUS sockets and pins

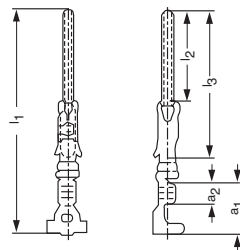
RSA 2 PLUS Rundsteckhülsen und Rundstecker

Type 1



| Type | Wire cross section qmm | Type of lead | Insulation diameter | Pin diameter | a1 | a2 | l1 | l3 | Mat. thickness | Steel spring | Form ESingle Behain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|--------------|---------------------|--------------|------|----|-------|-------|----------------|--------------|---------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5-1.0 | FLR | 1.4-2.3 | 1.60 | 7.00 | ∅0 | 22.60 | 11.70 | 0.2 | X | B | 26139.201.179 | ∅Sn | Sn | NQ |
| 1 | 0.75-1.5 | FLR | 1.7-2.4 | 1.60 | 7.50 | ∅0 | 22.60 | 11.70 | 0.2 | X | B | 26037.201.179 | ∅Sn | Sn | NQ |
| 1 | 1.5-2.5 | FLR | 2.1-3 | 1.60 | 7.50 | ∅0 | 22.60 | 11.70 | 0.2 | X | B | 26140.201.179 | ∅Sn | Sn | NQ |
| Typ | Nennquerschnitt qmm | Leit.-art | Isol.-∅ | Stift-∅ | a1 | a2 | l1 | l3 | Mat.-dicke | Stahl-feder | Form EEinzel BBand | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1



| Type | Wire cross section qmm | Type of lead | Insulation diameter | Pin diameter | a1 | a2 | l1 | l2 | l3 | Mat. thickness | Steel spring | Form ESingle Behain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|--------------|---------------------|--------------|------|----|------|-------|-------|----------------|--------------|---------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5-1.0 | FLR | 1.4-2.3 | 1.60 | 7.00 | ∅0 | 3.20 | 12.50 | 20.20 | 0.2 | X | B | 26135.201.179 | ∅Sn | Sn | NQ |
| 1 | 0.75-1.5 | FLR | 1.7-2.4 | 1.60 | 7.50 | ∅0 | 3.20 | 12.50 | 20.20 | 0.2 | X | B | 26039.201.179 | ∅Sn | Sn | NQ |
| 1 | 1.5-2.5 | FLR | 2.1-3 | 1.60 | 7.50 | ∅0 | 3.20 | 12.50 | 20.20 | 0.2 | X | B | 26136.201.179 | ∅Sn | Sn | NQ |
| Typ | Nennquerschnitt qmm | Leit.-art | Isol.-∅ | Stift-∅ | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Stahl-feder | Form EEinzel BBand | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

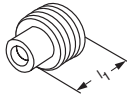
RSA 2

RSA 2

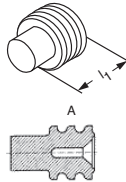
Single wire seals and cavity plugs

Seals (Einzelleitungs-dichtungen) und Blindstopfen

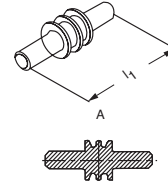
Type 1



Type 2



Type 3



| Type | Insulation diameter | Hole diameter of cavity | l1 | Keying | Part number | Specification | Material | Colour | Foot-note |
|------|---------------------|----------------------------|-------|-----------|--------------------------------|--|------------|--------------------------|-----------|
| 1 | 1.7 - 2.1 | 4.00 | 7.00 | | 14448.627.621 | Einzelleitungs-dichtung | VMQ | feuerrot | |
| 1 | 1.9 2.5 | 4.00 | 7.00 | | 14458.627.610 | Einzelleitungs-dichtung | VMQ | schwefelgelb | |
| 1 | 1.2 - 2.1 | 5.15 | 7.50 | | 16276.627.642 | Einzelleitungs-dichtung | VMQ | enzianblau | 1 |
| 1 | 1.2 - 2.1 | 5.15 | 7.50 | | 16695.627.619 16695.627.642 | Einzelleitungs-dichtung Einzelleitungs-dichtung | VMQ VMQ | reinorange enzianblau | |
| 1 | 1.9 3 | 5.15 | 7.50 | | 16260.627.626 | Einzelleitungs-dichtung | VMQ | rotbraun | 1 |
| 1 | 1.9 3 | 5.15 | 7.50 | | 16694.627.626 | Einzelleitungs-dichtung | VMQ | rotbraun | |
| 2 | | 4.00 | 7.00 | Form A | 14459.627.646 | Blindstopfen | VMQ | blaugrün | |
| 3 | | 5.15 | 16.00 | Form A | 16237.627.626 | Blindstopfen | VMQ | rotbraun | |
| Typ | Isol.-Ø | Bohr.-Ø der Gehäuse-Kammer | l1 | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

1 Safety part

1 Dokumentationspflichtiges Teil

Seal determination for the contacts and wires

Zuordnung der Seals zu Kontakten und Leitungen

The choice of seal depends on the thickness of the wire insulation (e.g. according to DIN 72551, part 6).

Die Wahl des Seals hängt von der Dicke der Isolierhülle der Leitungen ab (z.B. gemäß DIN 7255, Teil 6).

| Hole diameter of cavity | Wire diameter mm | Wire cross section qmm | Type of lead | Part-no. | Foot-note | Terminal |
|----------------------------|------------------|------------------------|--------------|---------------|-----------|---|
| 4.00 | 1.7 - 2.1 | 0.75 - 1.0 | FLRY | 14448.627.621 | 1 | RSA 2 PLUS Rundstecker und Rundsteckhülse |
| | 1.9 2.5 | 0.5 - 0.75 | FLY | 14458.627.610 | | |
| | | 1.0 - 1.5 | FLRY | | | |
| 5.15 | 1.2 - 2.1 | 0.22 - 0.8 | FLY | 1669.627.619 | | |
| | | 0.5 - 1.0 | FLRY | 1669.627.642 | | |
| | | | | 16276.627.642 | | |
| | 1.9 3 | 0.5 - 1.5 | FLY | 1669.627.626 | | |
| | | 1.0 - 2.5 | FLRY | 16260.627.626 | | |
| Bohr.-Ø der Gehäuse-Kammer | Leitungs-art | Nennquerschnitt qmm | Leit-art | Teiler-Nr. | Fuß-note | Verbindertyp |

1 Safety part

1 Dokumentationspflichtiges Teil

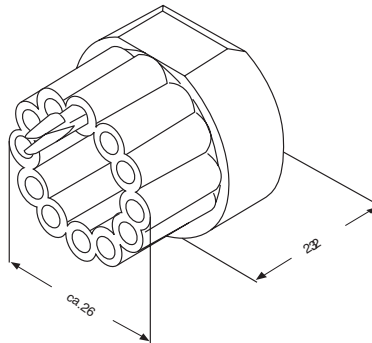
RSA 2

RSA 2 housings

RSA 2

RSA 2 Gehäuse

Type 1



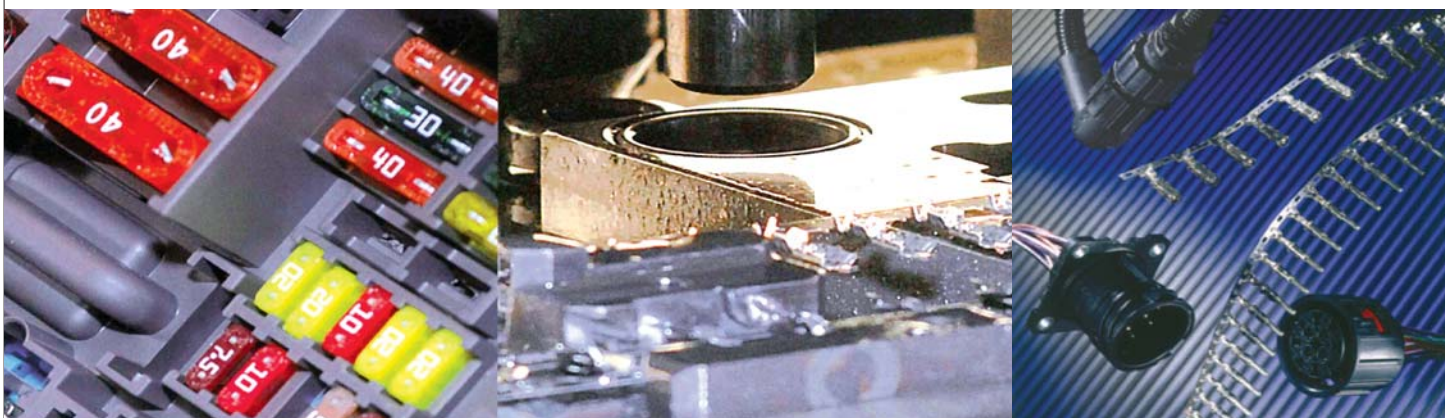
| Type | No. of ways | Part number | Specification | Material | Color | part of |
|------|-------------|---------------|---------------|-----------|-------|-----------|
| 1 | 11 | 16031.562.501 | RSA 2 Gehäuse | PA66 | natur | 14754 |
| Typ | Polzahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu |

VKR PLUS / VKS PLUS

Connector Systems 2.5 mm diameter

VKR PLUS / VKS PLUS

Steckverbindersysteme 2,5 mm Ø



VKR PLUS VKS PLUS

Connector system 2.5 mm dia., with stainless steel spring, for splash-proof applications

The **VKR PLUS / VKS PLUS** system is designed for splash-proof and high vibration resistance applications according to DIN 72585. Low and high current ratings are possible, so that the system can be used in many different places (e.g. sensors near commercial vehicle engines, solenoid valves).

The terminals have an external stainless steel spring. It guarantees the required high contact pressure and secure support in the housing cavity. The insulation claw is designed for single wire seals. Stainless steel spring and single wire seal absorb the vibrations in the housing.

For this kind of application, housings with different coding variations are available.

The 4-way coupling is according to DIN 72 585. It has either angled or straight wire entries designed for the connection of convoluted tube or multicore cable.

Characteristics

- external stainless steel spring of the VKR PLUS with 4-point contact for secure locking in the housing and absorption of vibrations.
- high contact back-out force through locking in housing with stainless steel spring
- high contact force

Use

- for high vibration resistance application
- for splash-proof application
- for transmission of low and high currents
- as a flying coupling and for contacting of sensors with a connection according to DIN 72585
- as a combined connector system with MKR PLUS / MKS PLUS terminals

Terminals

VKR PLUS

- two locking latches ensure secure locking in the cavity
- the insulation claw is designed for single wire seals

VKR PLUS VKS PLUS

Steckverbindersystem 2,5 mm Ø mit Stahlfeder, für die spritzwassergeschützte Anwendung

Das **VKR PLUS / VKS PLUS** System ist für die spritzwassergeschützte und stark schwingungsbelastete Anwendung nach DIN 72 585 konstruiert. Es überträgt gleichermaßen hohe und niedrige Ströme z.B. für Sensoren in der Umgebung von Nutzfahrzeugmotoren oder für Magnetventile.

Die Kontakte besitzen eine außenliegende Stahlfeder. Sie gewährleistet den erforderlichen Kontaktdruck und den sicheren Halt in der Gehäusekammer. Die Isolationskralle ist für die Aufnahme des Seals (Einzelleitungsichtung) gestaltet. Stahlfeder und Seal zusammen dienen der Absorption von Schwingungen im Gehäuse.

Für die Anwendung stehen Gehäuse in unterschiedlichen Kodiervarianten zur Verfügung.

Eine 4-polige Kupplung entspricht DIN 72 585. Sie besitzt wahlweise gewinkelte oder gerade Leitungsabgänge, ausgelegt für den Anschluß von Wellrohr oder für Mantelleitung.

Eigenschaften

- außenliegende Stahlfeder des VKR PLUS mit 4 Lamellen für die sichere Gehäuseanwendung und die Absorption von Schwingungen
- hohe Ausreißkraft aus dem Gehäuse durch Verrastung mit Stahlfeder
- hohe Kontaktkraft

Einsatz

- für stark schwingungsbelastete Anwendung
- für spritzwassergeschützten Einsatz
- zur Übertragung niedriger bis hoher Ströme
- als fliegende Kupplung und zum Kontaktieren von Sensoren mit Anschluß nach DIN 72585
- als kombiniertes Steckverbindersystem mit MKR PLUS / MKS PLUS Kontakten

Kontakte

VKR PLUS

- 2 Rastarme gewährleisten den sicheren Halt im Gehäuse
- die Isolationskralle ist für die Aufnahme eines Seals ausgelegt

VKR PLUS VKS PLUS

VKS PLUS

- four locking latches ensure secure locking in the cavity
- the insulation claw is designed for single wire seals

Housings

- splash-proof through single wire seals and housing seals
- cable entry straight and 90° angled

Delivery form

Terminals

- single form for hand crimping tools
- chain form for semi-automatic and fully-automatic machines

Housings

- loose in standard packs

VKR PLUS VKS PLUS

VKS PLUS

- 4 Rastarme gewährleisten den sicheren Halt im Gehäuse
- die Isolationskralle ist für die Aufnahme eines Seals ausgelegt

Gehäuse

- wasserdicht durch Seals und Gehäusedichtung
- gerader und 90° gewinkelter Leitungsabgang

Lieferform

Kontakte

- Einzelform für Handcrimpwerkzeuge
- Bandform für Halb- und Vollautomaten

Gehäuse

- lose in Standardverpackungen

| Technical Data | | Technische Daten |
|---|---------------|--|
| Terminals | | Kontakte |
| Wire cross section | 0.5 - 2.5 qmm | Leiternquerschnitt |
| Material | CuSn | Werkstoff |
| Surface | frSn, sel.Au | Oberfläche |
| Stainless steel spring | | Stahlfeder |
| Current rating T(amb) 30°C, (2.5 qmm) | 25 A | Strombelastbarkeit bei T(u) 30° C, (2,5 qmm) |
| VKR PLUS | | VKR PLUS |
| Contact back-out force (2.5 qmm) approx. | 230 N | Ausreißkraft aus dem Gehäuse (2,5 qmm), ca. |
| Housings | | Gehäuse |
| Number of poles | 4 | Polzahl |
| Variety of coding depends on the housing geometry | | Kodiervarianten in Abhängigkeit der Gehäusegeometrie |
| Cable entry 4-way •straight / 90° angled •designed for convoluted tube/multicore cable | | Leitungsabgang 4-polig • gerade / 90° gewinkelt •ausgelegt für Wellrohr / Mantelleitung |
| Terminal and housing according to DIN 72585 form B Load Category K 2 | | Kontakt und Gehäuse gemäß DIN 72585 Form B Beanspruchungsklasse |

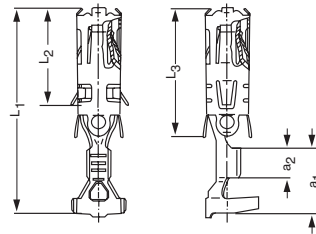
VKR PLUS VKS PLUS

VKR PLUS terminals

VKR PLUS VKS PLUS

VKR PLUS Steckverbinder

Type 1

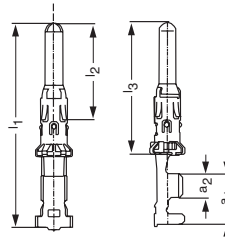


| Type | Wire cross section qmm | Insulation diameter | Hole diameter of cavity | Pin diameter | a1 | a2 | L1 | L2 | L3 | Material thickness | Steel spring | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|---------------------|-------------------------|--------------|------|------|-------|-------|-------|--------------------|--------------|-----------------------|--|--------------|-------------------|----------------|
| 1 | 0.5 - 1.0 | 1.4 - 2.0 | 6.70 | 2.50 | 7.80 | 3.00 | 24.00 | 11.60 | 15.00 | 0.40 | X | B | 26570.201.184 26570.201.707 | CuSn CuSn | Sn Ni/Sn/Ni/Au | NQ |
| 1 | 1.5 - 2.5 | 2.0 - 2.9 | 6.70 | 2.50 | 7.50 | 3.50 | 24.00 | 11.60 | 15.00 | 0.40 | X | B | 26571.201.184 | CuSn | Sn | NQ |
| Typ | Nennquerschnitt qmm | Isol.-Ø | Bohr.-Ø Gehkammer | Stift.-Ø | a1 | a2 | L1 | L2 | L3 | Mat.-dicke | Stahlfeder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vor-schub |

VKS PLUS terminals

VKS PLUS Steckverbinder

Type 1

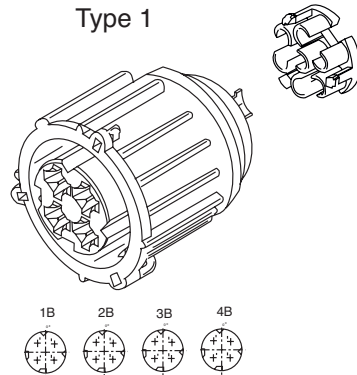


| Type | Wire cross section qmm | Insulation diameter | Hole diameter of cavity | Pin diameter | a1 | a2 | I1 | I2 | I3 | Material thickness | Steel spring | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|---------------------|-------------------------|--------------|------|------|-------|-------|-------|--------------------|--------------|-----------------------|----------------------|-----------|------------|----------------|
| 1 | 0.5 - 1.0 | 1.4 - 2.1 | 5.40 | 2.50 | 7.00 | 3.00 | 29.80 | 14.10 | 19.40 | 0.35 | X | B | 26633.201.184 | CuSn | Sn | NQ |
| 1 | 1.5 - 2.5 | 2.2 - 3.0 | 5.40 | 2.50 | 7.50 | 3.50 | 29.80 | 14.10 | 19.40 | 0.35 | X | B | 26634.201.184 | CuSn | Sn | NQ |
| Typ | Nennquerschnitt qmm | Isol.-Ø | Bohr.-Ø Gehkammer | Stift.-Ø | a1 | a2 | I1 | I2 | I3 | Mat.-dicke | Stahlfeder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vor-schub |

VKR PLUS

Sender Connector

Designed for wire entry straight or 90° angled, for convoluted tube and multicore cable. The connector side of the housing has various codings.



VKR PLUS

Geberanschluß

Ausgelegt für Endgehäuse in gerader oder 90° gewinkelter Ausführung bei Einsatz von Wellrohr oder Mantelleitung. Die Steckseite der Gehäuse ist unterschiedlich kodiert.

| Type | No. of ways | Keying | Part number | Specification | Material | Colour | Foot-note |
|------|--------------|-----------|---------------|---|----------------------|---|--------------|
| 1 | 4 | 1B | 17984.000.001 | Geberanschluss Dichtung Überwurfmutter Gehäuse | Silikon PA PBT | korallenrot tiefschwarz tiefschwarz | *1 |
| 1 | 4 | 1B | 17984.000.002 | Geberanschluss Dichtung Überwurfmutter Gehäuse | VMQ PA PBT | lichtblau tiefschwarz tiefschwarz | *2 |
| 1 | 4 | 2B | 17985.000.001 | Geberanschluss Dichtung Überwurfmutter Gehäuse | Silikon PA PBT | korallenrot tiefschwarz platingrau | *1 |
| 1 | 4 | 2B | 17985.000.002 | Geberanschluss Dichtung Überwurfmutter Gehäuse | VMQ PA PBT | lichtblau tiefschwarz platingrau | *2 |
| 1 | 4 | 3B | 17986.000.001 | Geberanschluss Dichtung Überwurfmutter Gehäuse | Silikon PA PBT | lichtblau tiefschwarz platingrau | *1 |
| 1 | 4 | 4B | 17987.000.002 | Geberanschluss Dichtung Überwurfmutter Gehäuse | VMQ PA PBT | lichtblau tiefschwarz lichtblau | *2 |
| 2 | | | 16052.598.613 | Verriegelung | PBT+ASA/GF | zinkgelb | *1 |
| Typ | Pol- zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß- note |

*1 Increased vibration resistance

*2 Without dynamical stressing

*1 Erhöhte Schwingungsfestigkeit

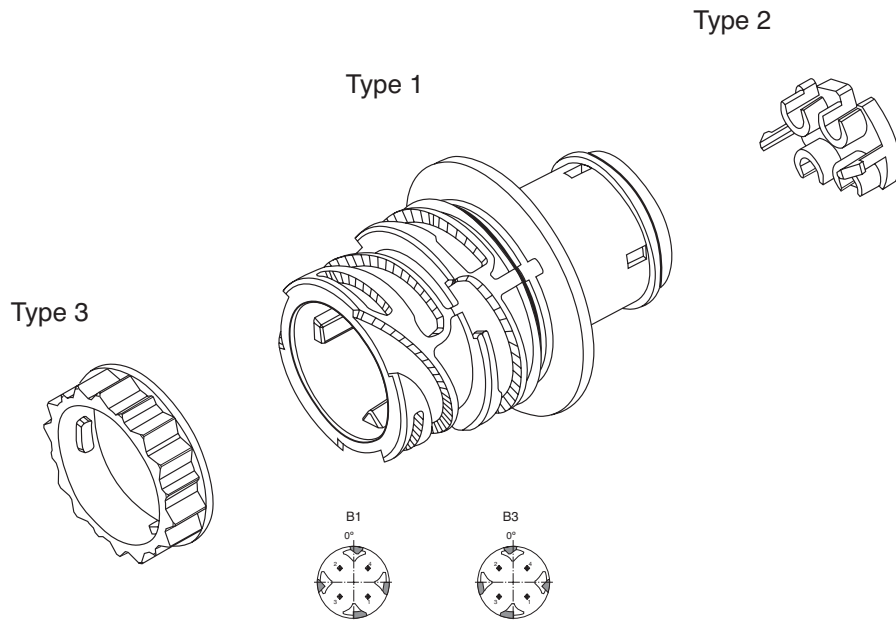
*2 Ohne dynamische Beanspruchung

VKS PLUS

Designed for wire entry straight or 90° angled, for convoluted tube and multicore cable. The connector side of the housing has various codings.

VKS PLUS

Ausgelegt für Endgehäuse in gerader oder 90° gewinkelter Ausführung bei Einsatz von Wellrohr oder Mantelleitung. Die Steckseite der Gehäuse ist unterschiedlich kodiert.



| Type | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|-------------|-----------|---------------|---|------------|----------------------------|
| 1 | 4 | B1 | 18337.000.000 | VKR Plus - Gehäuse Dichtung Gehäuse | VMQ PBT | korallenrot tiefschwarz |
| 1 | 4 | B3 | 18339.000.000 | VKR Plus - Gehäuse Dichtung Gehäuse | VMQ PBT | korallenrot gelbgrün |
| 2 | | | 16052.598.613 | Verriegelung | PBT+ASA-GF | zinkgelb |
| 3 | | | 16115.598.699 | Verriegelungsschieber | PBT+ASA-GF | tiefschwarz |
| Typ | Pol-zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

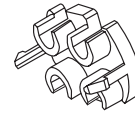
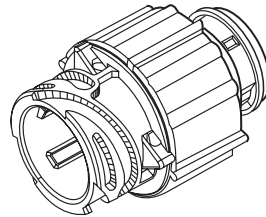
VKS PLUS

Designed for wire entry straight or 90° angled, for convoluted tube and multicore cable. The connector side of the housing has various codings.

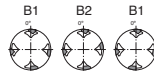
VKS PLUS

Ausgelegt für Endgehäuse in gerader oder 90° gewinkelter Ausführung bei Einsatz von Wellrohr oder Mantelleitung. Die Steckseite der Gehäuse ist unterschiedlich kodiert.

Type 1



Type 2



| Type | No. of ways | Keying | Part number | Specification |
|------|-------------|-----------|---------------|--------------------|
| 1 | 4 | B1 | 14730.598.696 | VKR Plus - Gehäuse |
| 1 | 4 | B2 | 14731.598.663 | VKR Plus - Gehäuse |
| 1 | 4 | B3 | 14732.598.647 | VKR Plus - Gehäuse |
| 2 | | | 16052.598.613 | Verriegelung |
| Typ | Pol-zahl | Kodierung | Teile-Nr. | Bezeichnung |

VKR PLUS

Equipment

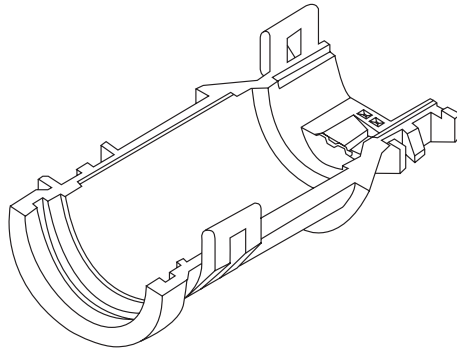
Wire entry straight or 90° angled, designed for convoluted tube or multicore cable.

VKR PLUS

Zubehör

Endgehäuse für geraden bzw. 90° gewinkelten Leitungsabgang, ausgelegt für Wellrohr oder Mantelleitung.

Type 1



| Type | Part number | Specification | Material | Colour | Foot-note |
|------|---------------|---------------|-----------|-------------|-----------|
| 1 | 14439.625.699 | Endgehäuse | PA66+PE | tiefschwarz | *1 |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

*1 For multicore cable

*1 Für Mantelleitung

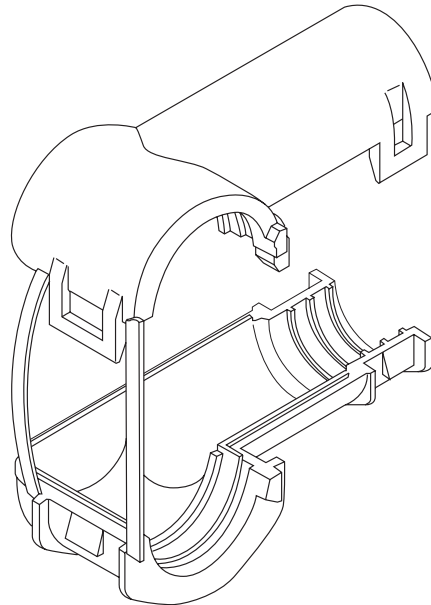
VKR PLUS

VKR PLUS

Equipment

Zubehör

Type 1



| Type | Part number | Specification | Material | Colour | Foot-note |
|------|---------------|---------------|-----------|-------------|-----------|
| 1 | 14830.625.699 | Endgehäuse | PA66+PE | tiefschwarz | *1 |
| 1 | 14931.625.699 | Endgehäuse | PA66+PE | tiefschwarz | *2 |
| 1 | 14873.625.699 | Endgehäuse | PA66+PE | tiefschwarz | *3 |
| 1 | 14932.625.699 | Endgehäuse | PA66+PE | tiefschwarz | *4 |
| 1 | 14828.625.699 | Endgehäuse | PA66+PE | tiefschwarz | *5 |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

*1 For multicore cable Ø 11 without over twist stop

*2 For convoluted tube NW 8.5 with over twist stop

*3 For convoluted tube NW 8.5 without over twist stop

*4 For convoluted tube NW 10 with over twist stop

*5 For convoluted tube NW 10 without over twist stop

*1 Für Mantelleitung Ø 11 ohne Überdrehenschutz

*2 Für Wellrohr NW 8,5 mit Überdrehenschutz

*3 Für Wellrohr NW 8,5 ohne Überdrehenschutz

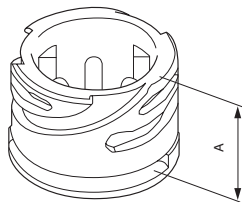
*4 Für Wellrohr NW 10 mit Überdrehenschutz

*5 Für Wellrohr NW 10 ohne Überdrehenschutz

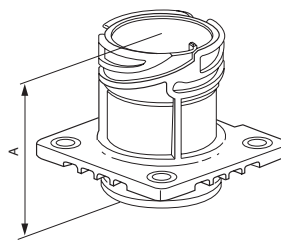
VKS PLUS

VKS PLUS

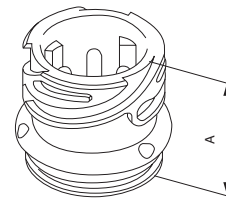
Type 1



Type 2



Type 3



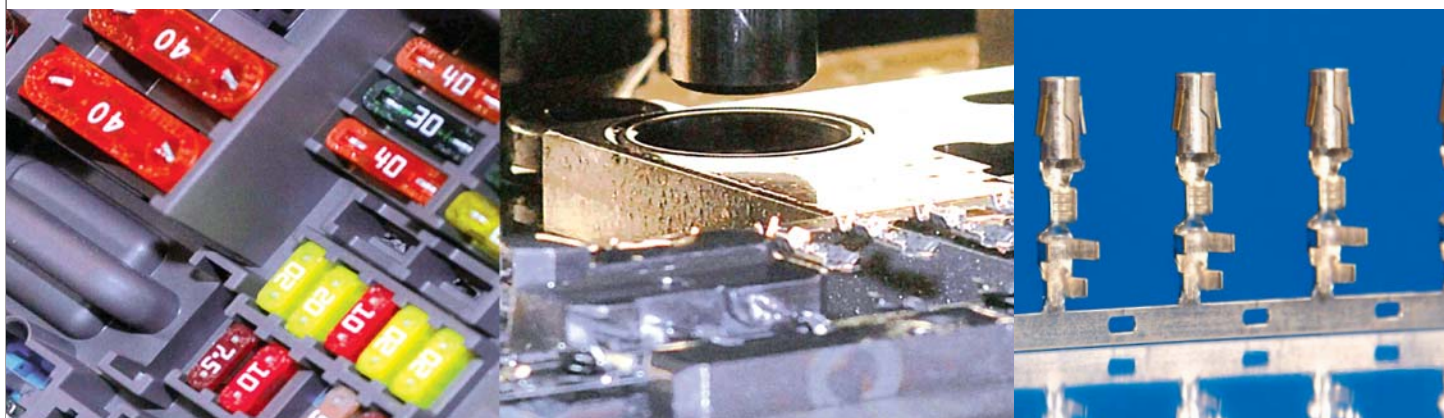
| Type | A | Part number | Specification | Material | Surface/ Colour |
|------|------|---------------|--|-----------------------|------------------------|
| 1 | 52.3 | 18531.000.000 | MKR PLUS - Gehäuse | | |
| 2 | 17.5 | 18563.000.000 | Stiftgehäuse Gehäuse Stiftkontakt | PBT CuZn | schwarz Sn |
| 3 | 23 | 18568.000.000 | Stiftgehäuse Gehäuse Stiftkontakt Filterscheibe | PBT CuZn Ferrit | schwarz Sn natur |
| 3 | 23 | 18569.000.000 | Stiftgehäuse Gehäuse Stiftkontakt Filterscheibe | PBT CuZn Ferrit | schwarz Sn natur |
| 3 | 23 | 18955.000.000 | Stiftgehäuse Gehäuse Stiftkontakt Filterscheibe | PBT CuZn Ferrit | grün Sn natur |
| 3 | 23 | 18957.000.000 | Stiftgehäuse Gehäuse Stiftkontakt Filterscheibe | PBT CuZn Ferrit | blau Sn natur |
| Typ | A | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche/ Farbe |

RAM

Pin and Socket Systems 3.5 mm diameter

RAM

Rundstecksysteme 3,5 mm Ø



RAM

Pin and socket systems 3.5 mm dia.

The **RAM** pin and socket system is designed for single-way and multi-way connectors. It is used in the automotive industry, domestic appliance industry, instrumentation and control engineering. For splash-proof applications with single wire seals the **RAM PLUS** is suitable.

Characteristics

- high current rating
- good contact force
- operating safety via support claw
- modified crimp form for housings with lid

Use

- as a flying coupling
- as a combined connector system with CONI terminals (1.6 mm diameter)
- for connection to components
- for splash-proof applications

Terminals

RAM

- Sockets and pins, pin diameter of 3.5 mm DIN 46268

RAM PLUS

- Sockets and pins, pin diameter of 3.5 mm

Housings

RAM

Design details of the housings for higher security

- secondary locking
- codings
- hinged cover

RAM PLUS

- on request

RAM

Rundstecksysteme 3,5 mm Ø

Das **RAM** Rundstecksystem ist für ein- und mehrpolige Steckverbindungen konstruiert. Die Anwendung erfolgt in der Kfz- und Hausgeräteindustrie, der Geräte- und der Steuerungstechnik. Für die spritzwassergeschützte Anwendung mit Seal (Einzelleitungsdichtung) dient der **RAM PLUS**.

Eigenschaften

- hohe Strombelastbarkeit
- gute Kontaktkraft
- Betriebssicherheit durch Unterstützungskralle
- modifizierte Crimpform für Gehäuse mit Klappdeckel

Einsatz

- als fliegende Kupplung
- als kombiniertes Steckverbindersystem mit CONI Kontakten (1,6 mm Durchmesser)
- zum Stecken auf Bauteile
- für spritzwassergeschützte Anwendung

Kontakte

RAM

- Rundsteckhülsen und Rundstecker, Stiftdurchmesser 3,5 mm DIN 46268

RAM PLUS

- Rundsteckhülsen und Rundstecker, Stiftdurchmesser 3,5 mm

Gehäuse

RAM

Konstruktive Details zur Erhöhung der Betriebssicherheit

- Zusatzverriegelungen
- Kodierungen
- Klappdeckel

RAM PLUS

- auf Anfrage

RAM

Delivery form

Terminals:

- single form for hand crimping tools, crimping units
- chain form for semi-automatic and fully-automatic machines

Housings:

loose in standard packs

RAM

Lieferform

Kontakte:

- Einzelform für Handcrimpwerkzeuge, Crimpgeräte
- Bandform für Halb- und Vollautomaten

Gehäuse:

lose in Standardverpackungen

| Technical Data | | Technische Daten |
|--------------------------|-------------|------------------------------|
| Wire cross section | 0,5 - 6 qmm | Leiternquerschnitt |
| Conductor configuration | 6N | Aufsteckkraft, ca. |
| Insertion force, approx. | 6N | Abziehkraft, ca. |
| Contact back-out force | ≥ 70N | Ausreißkraft aus dem Gehäuse |
| Current rating | max. 25 A | Strombelastbarkeit |
| Contact resistance | 1mΩ | Durchgangswiderstand |
| Pitch | ≥ 6x6 mm | Rastermaß |

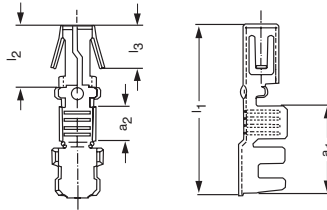
RAM

RAM

RAM sockets

RAM Rundsteckhülsen

Type 1



| Type | Wire cross section qmm | Pin diameter | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------|---------------------------|--------------|-------|------|-------|------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 1.5 - 2.5 | 3.50 | 46268 Teil 1 Form A | 3.5 - 2.5 | 10.30 | 3.60 | 20.50 | 7.45 | 5.15 | 0.35 | B | 26011.123.178 | CuZn | Sn | NQ |
| | | | | | | | | | | | B | 26011.123.179 | CuZn | Sn | NQ |
| | | | | | | | | | | | B | 26011.201.179 | CuSn | Sn | NQ |
| | | | | | | | | | | | B | 26011.213.178 | CuSn | Sn | NQ |
| 1 | 4 - 6 | 3.50 | 46268 Teil 1 Form A | 3.5 - 6 | 10.7 | 4.00 | 20.50 | 7.45 | 5.15 | 0.35 | B | 26012.213.178 | CuSn | Sn | NQ |
| | | | | | | | | | | | B | 26012.306.142 | CuCrTiSi | Ag | NQ |
| 1 | 0.5 - 1.0 | 3.50 | 46268 Teil 1 Form A | 3.5 - 1 | 10.30 | 3.20 | 20.50 | 7.45 | 5.15 | 0.35 | B | 26017.123.179 | CuZn | Sn | NQ |
| | | | | | | | | | | | B | 26017.201.179 | CuSn | Sn | NQ |
| Typ | Nennquerschnitt qmm | Stift-Ø | DIN | Nenngröße | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

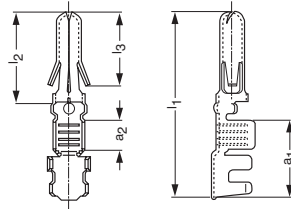
RAM

RAM

RAM pins

RAM Rundstecker

Type 1



| Type | Wire cross section qmm | Pin diameter | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------|--------------|--------------|-------|------|-------|-------|-------|--------------------|-----------------------|----------------------|-----------|------------|-----------------|
| 1 | 1.5 - 2.5 | 3.50 | 46268 | 3.5 - 2.5 | 10.30 | 3.60 | 25.30 | 12.50 | 10.20 | 0.35 | B | 26013.123.178 | CuZn | Sn | NQ |
| | | | Teil 2 | | | | | | | | B | 26013.201.179 | CuSn | Sn | |
| | | | Form B | | | | | | | | B | 26013.213.178 | CuSn | Sn | |
| 1 | 4 - 6 | 3.50 | 46268 | 3.5 - 6 | 10.7 | 4.00 | 25.30 | 12.50 | 10.20 | 0.35 | B | 26014.213.178 | CuSn | Sn | NQ |
| | | | Teil 2 | | | | | | | | B | 26014.306.142 | CuCrTiSi | Ag | |
| 1 | 0.5 - 1.0 | 3.50 | 46268 | 3.5 - 1 | 10.30 | 3.20 | 20.30 | 12.50 | 10.20 | 0.35 | B | 26018.123.179 | CuZn | Sn | NQ |
| | | | Teil 2 | | | | | | | | B | 26018.201.179 | CuSn | Sn | |
| Type | Nennquerschnitt qmm | Stift-Ø | DIN | Nenngröße | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

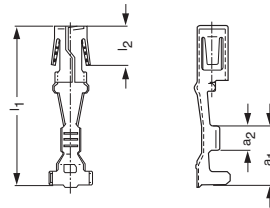
RAM PLUS

RAM PLUS

RAM PLUS sockets

RAM PLUS Rundsteckhülsen

Type 1

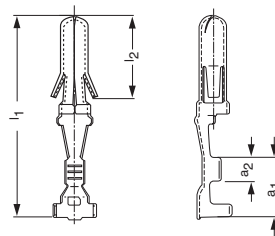


| Type | Wire cross section qmm | Insulation diameter | Type of Lead | Pin diameter | a1 | a2 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Materials | Surface | Terminal feed |
|------|------------------------|---------------------|--------------|--------------|------|------|-------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5 - 1.0 | 1.4 - 2.3 | FLR | 3.50 | 7.00 | 3.00 | 20.60 | 5.15 | 0.35 | B | 26035.201.179 | CuSn | Sn | NQ |
| 1 | 1.5 - 2.5 | 2.1 - 3.1 | FLR | 3.50 | 7.50 | 3.50 | 20.60 | 5.15 | 0.35 | B | 26036.201.179 | CuSn | Sn | NQ |
| Typ | Nennquerschnitt qmm | Isol.-Ø | Leit.-art | Stif.-Ø | a1 | a2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

RAM PLUS pins

RAM PLUS Rundstecker

Type 1



| Type | Wire cross section qmm | Insulation diameter | Type of Lead | Pin diameter | a1 | a2 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Materials | Surface | Terminal feed |
|------|------------------------|---------------------|--------------|--------------|------|------|-------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5 - 1.0 | 1.4 - 2.3 | FLR | 3.50 | 7.00 | 3.00 | 25.70 | 10.20 | 0.35 | B | 26033.201.179 | CuSn | Sn | NQ |
| 1 | 1.5 - 2.5 | 2.1 - 3.1 | FLR | 3.50 | 7.50 | 3.50 | 25.70 | 10.20 | 0.35 | B | 26034.201.179 | CuSn | Sn | NQ |
| Typ | Nennquerschnitt qmm | Isol.-Ø | Leit.-art | Stif.-Ø | a1 | a2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

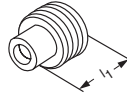
RAM PLUS

RAM PLUS

Single Wire Seals

Seals (Einzelleitungsdichtungen)

Type 1



| Type | Insulation diameter | Hole diameter | l1 | Part number | Specification | Material | Colour | Foot-note |
|------|---------------------|---------------|------|--|--|------------|--------------------------|-----------|
| 1 | 1.2 - 2.1 | 5.15 | 7.50 | 16276.627.642 | Einzelleitungsdichtung | VMQ | enzianblau | *1 |
| 1 | 1.2 - 2.1 | 5.15 | 7.50 | 16695.627.619 16695.627.642 | Einzelleitungsdichtung Einzelleitungsdichtung | VMQ VMQ | reinorange enzianblau | |
| 1 | 1.9 - 3.0 | 5.15 | 7.50 | 16260.627.626 | Einzelleitungsdichtung | VMQ | rotbraun | *1 |
| 1 | 1.9 - 3.0 | 5.15 | 7.50 | 16694.627.626 | Einzelleitungsdichtung | VMQ | rotbraun | |
| Typ | Isol.- Ø | Bohr.- Ø | l1 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

*1 Safety part

*1 Dokumentationspflichtiges Teil

Seal determination for the contacts and wires

Zuordnung der Seals zu Kontakten und Leitungen

The choice of seal depends on the thickness of the wire insulation (e.g. according to DIN 72551, part 6).

Die Wahl des Seals hängt von der Dicke der Isolierhülle der Leitungen ab (z.B. gemäß DIN 7255, part 6).

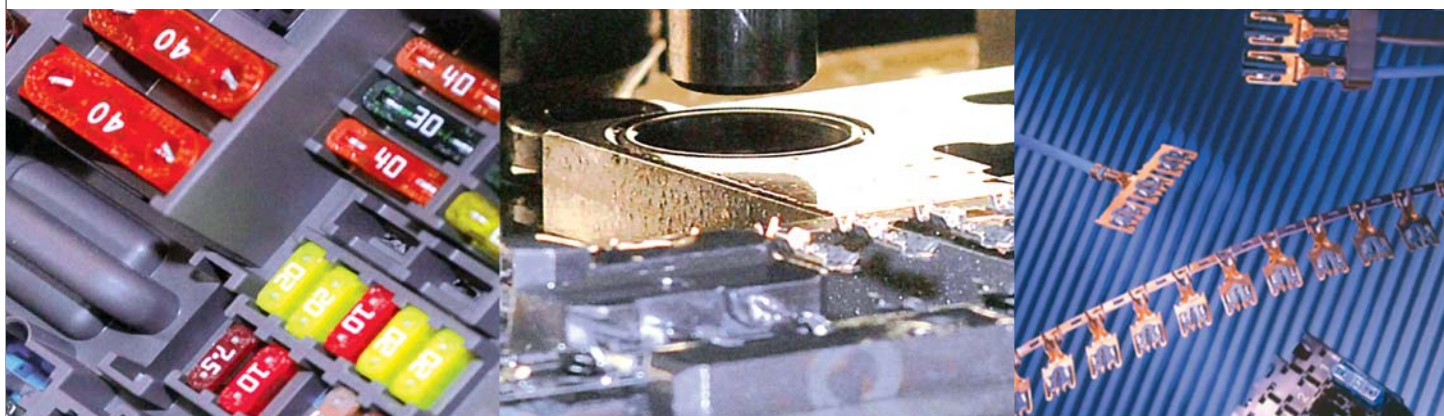
| Hole diameter of cavity | Wire diameter mm | Wire cross section qmm | Type of lead | Part-no. | Foot-note | Terminal |
|-----------------------------|------------------|------------------------|--------------|--------------------------------|-----------|--|
| 5.15 | 1.2 - 2.1 | 0.22 - 0.38 | FLY | 16695.627.619 | *1 | RSA 2 PLUS Rundstecker und Rundsteckhülse |
| | | 0.35 - 1.0 | FLRY | 16695.627.642 16276.627.642 | | |
| | 19.30 | 0.5 - 1.5 | FLY | 16694.627.626 | | |
| | | 1.0 - 2.5 | FLRY | 16260.627.626 | | |
| Bohr.- Ø der Gehäuse-Kammer | Leitungs-art | Nennquerschnitt qmm | Leit-art | Teiler-Nr. | Fuß-note | Verbindertyp |

*1 Safety part

*1 Dokumentationspflichtiges Teil

GSK
Connector Systems for Flat Fuses

GSK
Steckverbindersysteme für
Flachsicherungseinsätze



Connector systems for flat fuses

The **GSK** system is designed for contacting flat fuses according to DIN 72581.

They are available in 1-, 2- and 3-way versions with crimp connections.

GSK current bridges (without crimp connection) have one GSK terminal with 2 or 3 spare cavities for connecting GSK crimp terminals.

Housings, respectively fuse carriers, for GSK terminals, also combined with GSK current bridges are designed for the use of 1, 2, 4 or 9 flat fuses.

All housings have secondary locking. The 4-way and 9-way housings are available already filled with current bridges.

Unmistakable retrofitting of GSK terminals is possible by current path keying insert.

Characteristics

- stainless steel spring for permanent high contact force and secure locking device
- unmistakable (coded) retrofitting via current path keying insert.

Use

- for contacting of flat fuses according to DIN 72581
- for safeguarding of automotive current consumers (low and high rated)

Terminals

- with stainless steel spring
- 1- to 3-way with crimp connection
- current bridge (without crimp connection) with a GSK terminal or 2 to 3 spare cavities.

Housings

- with secondary locking
- fuse positions numbered
- for 1, 2, 4 or 9 flat fuses

Steckverbindersysteme für Flachsicherungseinsätze

Das **GSK**-Steckverbindersystem dient dem Kontaktieren von Flachsicherungseinsätzen gemäß DIN 72581.

GSK-Kontakte liegen in 1-, 2- und 3-poliger Version vor mit einem Crimpanschluß.

GSK-Strombrücken (ohne Crimpanschluß) bestehen aus einem GSK-Kontakt mit 2 oder 3 Nachsteckplätzen für Stromabgänge mit GSK-Crimpkontakten.

Gehäuse für GSK-Kontakte, auch kombiniert mit GSK-Strombrücken sind für den Einsatz von 1, 2, 4 oder 9 Flachsicherungen ausgelegt.

Alle Gehäuse verfügen über Sekundärverriegelungen. Die 4- und 9-fachen Gehäuse sind fertig bestückt mit Strombrücken erhältlich.

Verwechslungsfreies Nachbestücken mit GSK-Kontakten erfolgt mit Hilfe von Strompfadkodierungen.

Eigenschaften

- Stahlfeder für dauerhaft hohe Kontaktkraft und sicheres Verrasten im Gehäuse
- unverwechselbares (kodierte) Nachbestücken mit Strompfadkodierungen.

Einsatz

- zum Kontaktieren von Flachsicherungen gemäß DIN 72581
- zur Absicherung von Kfz- Nieder- bis Hochstromverbrauchern

Kontakte

- mit Stahlfeder
- 1- bis 3-polig mit Crimpanschluß
- Strombrücke (ohne Crimpanschluß) mit einem GSK-Kontakt und 2 oder 3 Nachsteckplätzen.

Gehäuse

- alle mit Sekundärverriegelungen
- Steckplatznummern für Sicherungen aufgedruckt
- für 1, 2, 4 oder 9 Flachsicherungen

GSK

GSK

Delivery form

Terminals

- single form, preformed for hand crimping tools
- chain form for semi and fully-automatic machines

Housings

- loose in standard packs

Lieferform

Kontakte

- Einzelform, vorgerollt, für Handcrimpwerkzeuge
- Bandform für Halb- und Vollautomaten.

Gehäuse

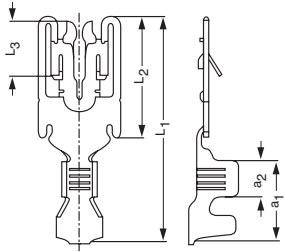
- lose in Standardverpackungen.

| Technical Data | | Technische Daten |
|---|--|---|
| Terminals | | Kontakte |
| Terminal with • crimping contact • current bridge • with spare cavity for retrofitting | 1-, 2-, 3-pol. 1-pol 2 oder/or 3 | Kontakt mit • Crimpanschluß • Strombrücke • mit Nachsteckplätzen |
| Stainless steel spring | | Stahleder |
| Wire cross section | 0,35-6 qmm | Leiternennquerschnitt |
| Wire type | FLR, FL | Letungstyp |
| Current rating | max. 40 A | Strombelastbarkeit |
| Housings | | Gehäuse |
| For number of flat uses • standard size • big size | 1,4 oder 9 1,2 | Für Anzahl Flachsicherungen • Standardgröße • Große Bauform |
| Secondary locking for all housings | | Sekundärverriegelung für alle Gehäuse |
| Connecting tab numbers | | Aufgedruckte Steckplatznummern |

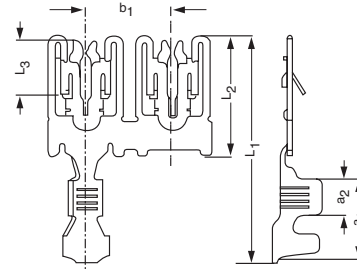
GSK

GSK

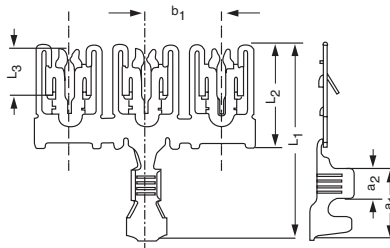
Type 1



Type 2



Type 3



| Type | Wire cross section qmm | Type of lead | Insulation diameter | No. of ways | a1 | a2 | b1 | L1 | L2 | L3 | Material thickness | Form E=Single B=chain | Part number | Material | Terminal Feed |
|------|------------------------|--------------|------------------------|-------------|-------|------|-------|-------|-------|------|--------------------|-----------------------|----------------------|-----------|----------------|
| 1 | 0.35 - 1 | FLR | 1.2 - 2.1 | 1 | 10.00 | 4.50 | | 28.00 | 15.00 | 6.75 | 0.60 | B | 26930.306.009 | CuCrTiSi | NQ |
| 1 | 1.5 - 2.5 | FL/FLR | 2.7 - 3.7 2.2 - 3.0 | 1 | 10.00 | 4.50 | | 28.00 | 15.00 | 6.75 | 0.60 | B | 26932.306.009 | CuCrTiSi | NQ |
| 1 | 2.5 - 4 | FL | 3.3 - 4.5 | 1 | 10.00 | 4.50 | | 28.00 | 15.00 | 6.75 | 0.60 | B | 26940.306.009 | CuCrTiSi | NQ |
| 2 | 0.5 - 1.0 | FLR | 1.4 - 2.1 | 2 | 10.00 | 4.50 | 11.00 | 28.00 | 15.00 | 6.75 | 0.60 | B | 26931.306.009 | CuCrTiSi | NQ |
| 2 | 1.5 - 2.5 | FL/FLR | 2.7 - 3.7 2.2 - 3.0 | 2 | 10.00 | 4.50 | 11.00 | 28.00 | 15.00 | 6.75 | 0.60 | B | 26933.306.009 | CuCrTiSi | NQ |
| 2 | 4.0 - 6.0 | FL | 4.0 - 5.0 | 2 | 10.00 | 4.50 | 11.00 | 28.00 | 15.00 | 6.75 | 0.60 | B | 26935.306.009 | CuCrTiSi | NQ |
| 3 | 1.5 - 2.5 | FL/FLR | 2.7 - 3.7 2.2 - 3.0 | 3 | 10.00 | 4.50 | 11.00 | 28.00 | 15.00 | 6.75 | 0.60 | B | 26934.306.009 | CuCrTiSi | NQ |
| 3 | 4.0 - 6.0 | FL | 4.0 - 5.0 | 3 | 10.00 | 4.50 | 11.00 | 28.00 | 15.00 | 6.75 | 0.60 | B | 26936.306.009 | CuCrTiSi | NQ |
| Typ | Nennquerschnitt qmm | Leitart | Isol.-Ø | Polzahl | a1 | a2 | b1 | L1 | L2 | L3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Verb.vor-schub |

GSK

The described housings give you an idea of the product range of LEAR. Some applications have been tailored to the needs of our customers and are therefore not free available (please contact us).

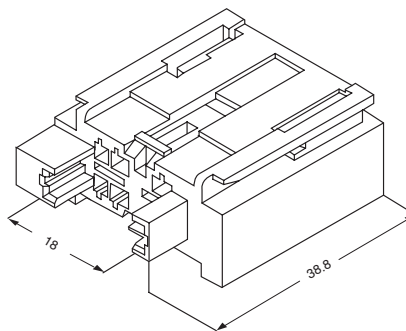
Housings for flat fuses

GSK

Die dargestellten Gehäuse geben einen Einblick in das Lieferprogramm von LEAR. Einige Anwendungen sind speziell auf die Bedürfnisse des Kunden abgestimmt und daher nicht frei verfügbar (Klärung nach Rücksprache)

Sicherungsträger

Type 1



| Type | No. of flat fuses | Marking on fuse position | Part number | Specification | Material | Colour |
|------|----------------------|--------------------------------|---------------|---|-----------------|-------------------------|
| 1 | 1 | keine | 18083.000.000 | Sicherungsträger Verriegelungsschieber Sicherungsträger | PBT PPE + PA | feuerrot tiefschwarz |
| Typ | Anzahl Flach-sicher. | Bedruckung Sicherungsplatz-Nr. | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

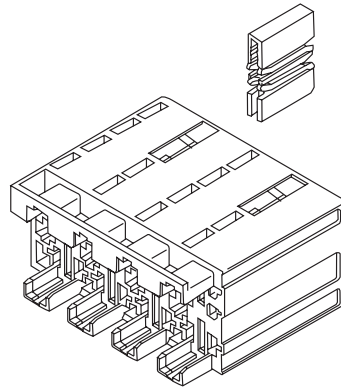
GSK

Housings for flat fuses

GSK

Sicherungsträger

Type 1



| Type | No. of flat fuses | Marking on fuse position | Part number | Specification | Material | Colour |
|------|----------------------|--------------------------------|----------------------|---|-----------------|-------------------------|
| 1 | 4 | 19 - 22 | 18017.000.000 | Sicherungsträger Verriegelungsschieber Sicherungsträger | PBT PPE + PA | feuerrot tiefschwarz |
| 1 | 4 | 23 - 26 | 18018.000.000 | Sicherungsträger Verriegelungsschieber Sicherungsträger | PBT PPE + PA | feuerrot tiefschwarz |
| Typ | Anzahl Flach-sicher. | Bedruckung Sicherungsplatz-Nr. | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

GSK

Housings for flat fuses

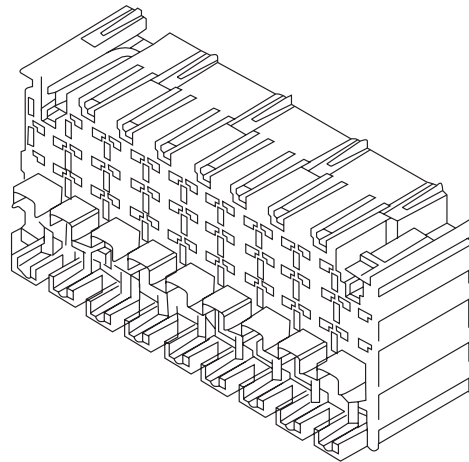
Insert with 3-point locking

GSK

Sicherungsträger

Sicherungsträger mit 3-Stufen Rastung

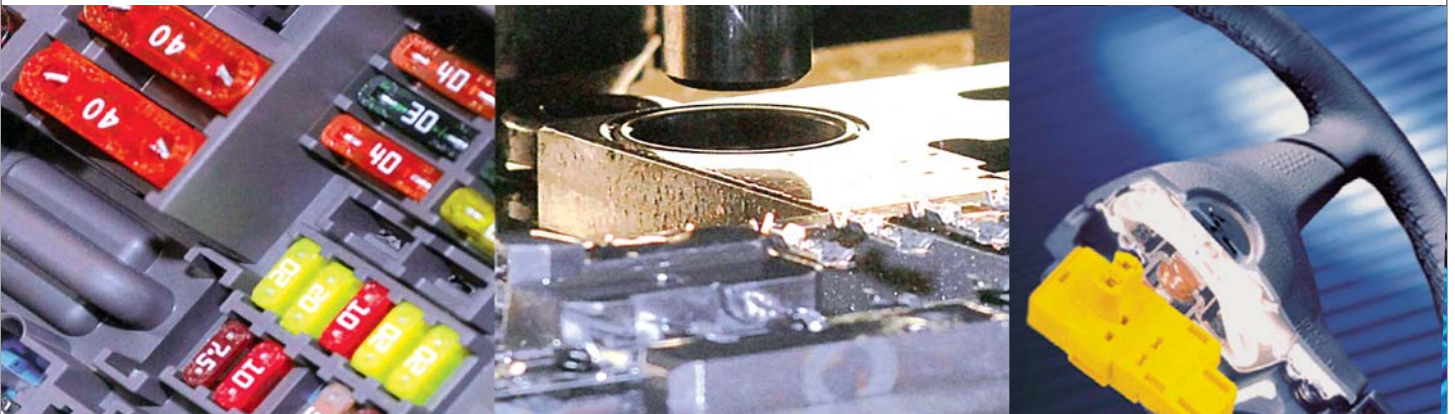
Type 1



| Type | No. of flat fuses | Marking fuse position no. | Part number | Specification | Material | Colour |
|------|---------------------|--------------------------------|---------------|---|-----------------|-------------------------|
| 1 | 9 | 10 - 18 | 17872.000.000 | Sicherungsträger Verriegelungsschieber Sicherungsträger | PBT PPE + PA | feuerrot tiefschwarz |
| Typ | Anzahl Flach-sicher | Bedruckung Sicherungsplatz-Nr. | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Squib Connector

Zündpillenstecker



Squib connector

in IDC technique for airbags
and seat-belt pretensioners

Squib connector with a variety of customized connections

The versatile, modular squib connector is designed for the connecting of airbag and seat-belt pretensioner systems in vehicles. The basic model allows customized variations for:

- locking mechanisms on inflators
- wire exits
- integrated, passive components
- colours
- customers' markings.

Therefore, the LEAR squib connector fits on virtually all existing and future inflators.

The squib connector consists of three contact parts for solderless contacting of two wires and an optional integrated passive part like a coil or a capacitor. The wires are contacted with IDC contacts for quick, easy and secure processing, which means cost-effectiveness.

The box-shaped terminal for a pin diameter of 1 mm is tinned and, in the contact area, gold-plated. As the IDC connectors are also tinned, there is no need for IDC wires with tinned leads. Vehicle wires with symmetrical and concentric construction are sufficient.

For increased contact security, the box-shaped terminal has a welded-on external steel spring. It keeps the connector from springing off when it is contacted and improves the relaxation performance. Two locking springs secure the connector's hold in the housing.

The possible use of passive components like a coil or capacitor, serves to increase electromagnetic compatibility (EMC). They are integrated into the connector by crimp connections.

The housing parts are universally adaptable in their form. There are also many different possibilities for the form of the contact area to the inflator. To fulfil the sensitive requirements of the application on security, it can be fitted with one or two, internal or external locking latches. Additional mechanical locking, contact monitoring for a locking latch as well as a go-no-go model are also available. The connection can be made to be separable or inseparable.

Zündpillenstecker

in Schneidklemmtechnik
für Airbag und Gurtstraffer

Zündpillenstecker mit kundenspezifischen Anschlußvarianten

Für den Anschluß von Airbag- und Gurtstraffersystemen in Kraftfahrzeugen ist der vielseitig und modular gestaltete Zündpillenstecker ausgelegt. Das Grundmodell erlaubt kundenspezifische Varianten für:

- Verriegelungsmechanik auf dem Gasgenerator
- Leitungsabgang
- integrierte passive Bauelemente
- Farbgebung
- Kundenkennzeichnung.

Auf diese Weise paßt der LEAR Zündpillenstecker auf nahezu alle existierenden und zukünftigen Zündpillen bzw. Gasgeneratoren.

Der Zündpillenstecker beinhaltet drei Kontaktteile zum lötfreien Anschluß von 2 Leitungen und optional eines integrierten passiven Bauelementes, wie Spule oder Kondensator. Die Anschlußleitungen werden über Schneidklemm-(SK)-kontakte schnell, einfach und prozeßsicher, d.h. kostengünstig kontaktiert.

Der Kastenkontakt, für einen Stiftdurchmesser von 1 mm, ist verzinkt und im Steckbereich vergoldet. Da auch die Schneidklemmen verzinkt sind, kann auf SK-Leitungen mit verzinnten Adern verzichtet werden. Es genügen Fahrzeugleitungen mit symmetrischem und konzentrischem Aufbau. Zur erhöhten Kontaktsicherheit verfügt der Kastenkontakt über eine außenliegende, verschweißte Stahlfeder. Sie verhindert ein Auffedern des Kontaktes beim Stecken und verbessert das Relaxationsverhalten. Zwei Rastfedern sichern den Halt des Kontaktes in der Gehäusekammer.

Der mögliche Einsatz von passiven Bauelementen, Spule oder Kondensator, dient einer erhöhten elektromagnetischen Verträglichkeit (EMV). Sie sind über Crimpverbindungen in den Stecker integriert.

Die Gehäuseteile sind universell gestaltbar. Vielfache Gestaltungsmöglichkeiten bietet auch der Steckbereich zur Zündpille. Für eine, dem sensiblen Einsatzzweck angemessene Sicherheit, kann er mit einem oder mit zwei Verriegelungsarmen, innen- oder außenliegend, gefertigt sein. Eine zusätzliche mechanische Sicherung, eine Stecküberwachung für einen Verriegelungsarm sowie eine Go-No-Go-Variante sind möglich. Die Verbindung läßt sich lösbar oder nicht lösbar gestalten.

Squib connector

in IDC technique for airbags
and seat-belt pretensioners

Partially no modification of the inflator is necessary in order to use the various locking systems.

The wire exit can be designed for different wires, e.g. for two single wires, 2-way multicore cables, on request also for ribbon cables. The design of the wire exit serves as a strain relief (e.g. for 2-way multicore cables > 120 N).

During processing, the housing geometry automatically leads the wires into the correct position over the IDC contacts.

The squib connector is supplied ready mounted with IDC contacts and passive components. It is supplied in single form and mounted in pre-locking position for processing on LEAR processing equipment. Distancer prevent unintentional premature locking of the squib connector.

Zündpillenstecker

in Schneidklemmtechnik
für Airbag und Gurtstraffer

Die unterschiedlichen Verriegelungssysteme sind teilweise ohne Modifikation des Gasgenerators einsetzbar.

Der Leitungsabgang läßt sich für verschiedene Leitungen auslegen, z.B. für 2 Einzelleitungen, für 2-adrige Mantelleitung, auf Anfrage auch für Flachbandleitung. Die Gestaltung des Leitungsabgangs dient als Zugentlastung (z.B. für 2-adrige Mantelleitung > 120 N).

Die Gehäusegeometrie führt die Leitungen bei der Verarbeitung zwangsweise in die korrekten Positionen über den SK-Kontakten.

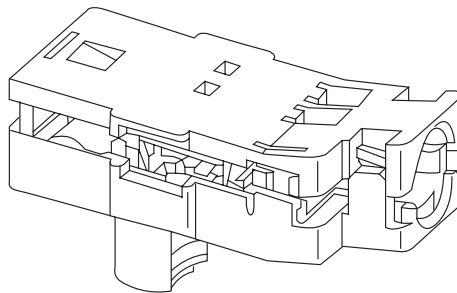
Der Zündpillenstecker wird mit SK-Kontakten und passivem Bauelement fertig bestückt geliefert. Er liegt vor in Einzelform und ist in Vorraststellung montiert für die Verarbeitung auf LEAR Verarbeitungsmitteln. Distanzhalter verhindern ein ungewolltes vorzeitiges Schließen des Zündpillenstreckers

| Technical Data | | Technische Daten |
|---|--------------------------------|--|
| Terminals | | Kontakte |
| Box-shaped terminal • with stainless steel spring • with IDC connection for the contact of wires • with crimp connection for the contacting of passive component | | Kastenkontakt • mit Stahlfeder • mit Schneidklemmanschluß für die Leitungskontaktierung • mit Crimpanschluß für die Kontaktierung eines passiven Bauelementes |
| Wire cross section • on request 0.35 qmm | 0.5 qmm | Leiternennquerschnitt • auf Anfrage 0,35 qmm |
| Wire type • FLR • Multicore cable | | Leitungstyp • FLR • Mantelleitung |
| Wire construction • symmetrical and concentric | | Leitungsaufbau • symmetrisch und konzentrisch |
| Release of the wire by LEAR | | Freigabe der Leitung durch LEAR |
| Contact material | CuSn | Kontaktmaterial |
| Contact surface • partially gold-plated contact area • tinned IDC - area | min. 0.8 µm Au min. 1 µm Ni | Kontaktoberfläche • selektiv vergoldeter Steckbereich • verzinneter SK-Bereich |
| Stainless steel spring | | Stahlfeder |
| Insertion and withdrawal force, approx.(depending on locking) | 45/40 N | Aufsteck-und Abziehkraft, ca. (abhängig von Verriegelung) |
| housing | | Gehäuse |
| Two-piece plastic housing | | 2-teiliges Kunststoffgehäuse |
| Material of Housings | PBT-GF | Gehäusewerkstoff |

Squib connector
in IDC technique for airbags
and seat-belt pretensioners

Zündpillenstecker
in Schneidklemmtechnik
für Airbag und Gurtstraffer

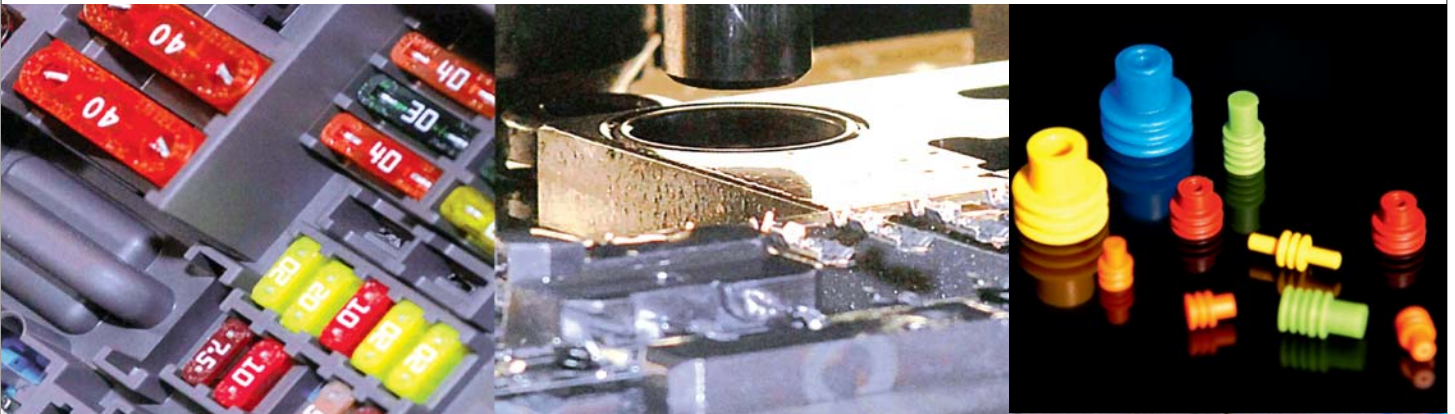
Type 1



| Type | Part number | Specification | Material | Surface/ Colour |
|------|---------------|---|--------------------|----------------------------------|
| 1 | 18280.066.000 | MKR PLUS - Gehäuse Spule Gehäuse Deckel Spulenbindung | PBT PBT CuSn | tiefschwarz tiefschwarz Sn |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche/ Farbe |

**Single Wire Seals
and Cavity Plugs**

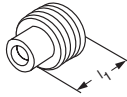
**Einzelleitungsdichtungen
und Blindstopfen**



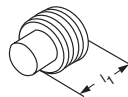
Single wire seals and cavity plugs

Einzelleitungsdichtungen und Blindstopfen

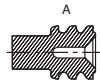
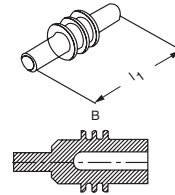
Type 1



Type 2



Type 3



| Type | Insulation Diameter | Hole diameter | l1 | Keying | Part number | Specification | Material | Colour | Foot-note |
|------------|---------------------|---------------------|-----------|------------------|--------------------------------|--|------------------|--------------------------|----------------------|
| 1 | 1.2 - 2.1 | 3.60 | 7.60 | | 14000.627.670 | Einzelleitungsdichtung | VMQ | silbergrau | |
| 1 | 1.7 - 2.1 | 4.00 | 7.00 | | 14448.627.621 | Einzelleitungsdichtung | VMQ | feuerrot | |
| 1 | 1.9 - 2.5 | 4.00 | 7.00 | | 14458.627.610 | Einzelleitungsdichtung | VMQ | schwefelgelb | |
| 1 | 1.2 - 2.1 | 5.15 | 7.50 | | 16276.627.642 | Einzelleitungsdichtung | VMQ | enzianblau | *1 |
| 1 | 1.2 - 2.1 | 5.15 | 7.50 | | 16695.627.619 16695.627.642 | Einzelleitungsdichtung Einzelleitungsdichtung | VMQ VMQ | reinorange enzianblau | |
| 1 | 1.9 - 3.0 | 5.15 | 7.50 | | 16260.627.626 | Einzelleitungsdichtung | VMQ | rotbraun | *1 |
| 1 | 1.9 - 3.0 | 5.15 | 7.50 | | 16694.627.626 | Einzelleitungsdichtung | VMQ | rotbraun | |
| 1 | 1.4 - 2.1 | 5.40 | 7.50 | | 14740.627.694 | Einzelleitungsdichtung | VMQ | reinweiß | |
| 1 | 1.2 - 2.1 | 6.70 | 7.50 | | 14414.627.626 | Einzelleitungsdichtung | VMQ | rotbraun | |
| 1 | 1.9 - 3.0 | 6.70 | 7.50 | | 14415.627.670 | Einzelleitungsdichtung | VMQ | silbergrau | |
| 1 | 1.2 - 2.1 | 8.20 | 7.50 | | 16277.627.611 | Einzelleitungsdichtung | VMQ | rapsgelb | |
| 1 | 1.9 - 3.0 | 8.20 | 7.50 | | 16278.627.694 | Einzelleitungsdichtung | VMQ | reinweiß | *1 |
| 1 | 1.9 - 3.0 | 8.20 | 7.50 | | 16696.627.694 | Einzelleitungsdichtung | VMQ | reinweiß | |
| 1 | 3.4 - 4.4 | 8.20 | 7.50 | | 16259.627.646 | Einzelleitungsdichtung | VMQ | blassgrün | |
| 2 | | 4.00 | 7.00 | Form A | 14459.627.646 | Blindstopfen | VMQ | blassgrün | |
| 3 | | 8.20 | 20.00 | Form B | 14796.627.646 | Blindstopfen | VMQ | blassgrün | |
| Typ | Isol.- Ø | Bohr.- Ø | l1 | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß- note |

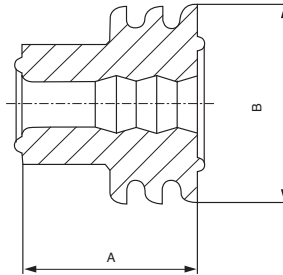
*1 Safety part

*1 Dokumentationspflichtiges Teil

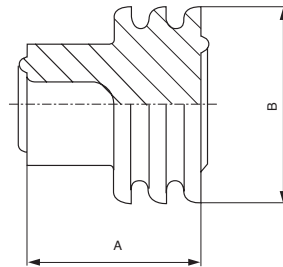
Single wire seals and cavity plugs

Einzelleitungsdichtungen und Blindstopfen

Type 1



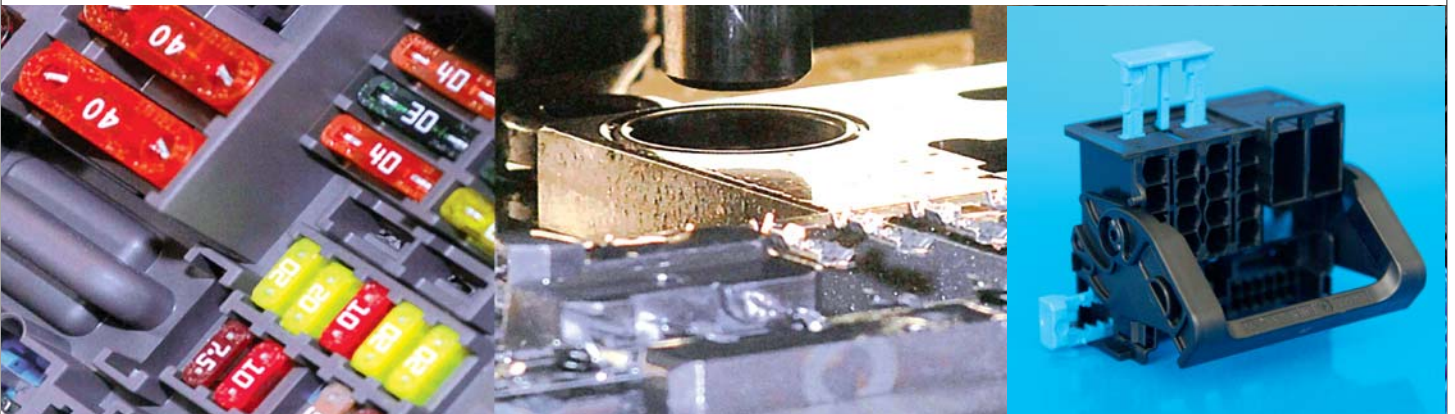
Type 2



| Type | A | B | Insulation diameter | Part number | Specification | Material | Colour |
|------|------|------|---------------------|---------------|------------------------|-----------|--------|
| 1 | 14.4 | 16.2 | 3.7 | 13213.627.642 | Einzelleitungsdichtung | VMQ | blau |
| 1 | 14.4 | 16.2 | 4.3 | 13214.627.619 | Einzelleitungsdichtung | VMQ | orange |
| 1 | 14.4 | 16.2 | 6.6 | 13215.627.694 | Einzelleitungsdichtung | VMQ | weiß |
| 2 | 14.4 | 16.2 | | 13216.627.611 | Blindstopfen | VMQ | gelb |
| Typ | A | B | Isol.- Ø | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Special Parts

Sonderteile



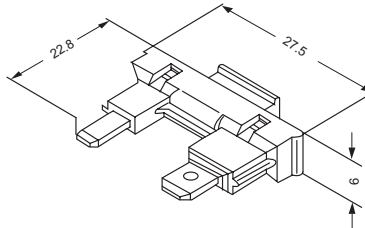
Special parts

Sonderteile

Diode holder

Diodenhalter

Type 1

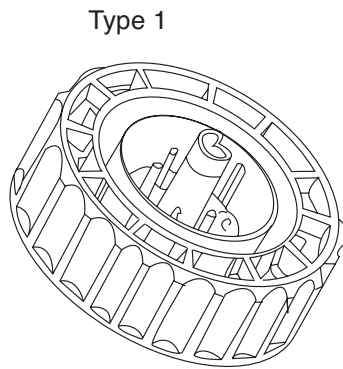


| Type | Part number | Specification | Material | Colour |
|------|---------------|--|--------------------|-------------|
| 1 | 17842.050.000 | Diodenhalter Gehäuse Flachstecker Flachstecker Diode | PA CuZn CuZn | tiefschwarz |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Special parts

Diagnostic plug for use in the automotive field

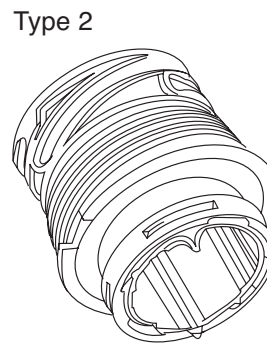
Terminals: sockets 2.5 mm diameter



Sonderteile

Diagnose-Steckdose für den Einsatz im Automobil

Kontakte: Rundsteckhülsen 2,5 mm Durchmesser



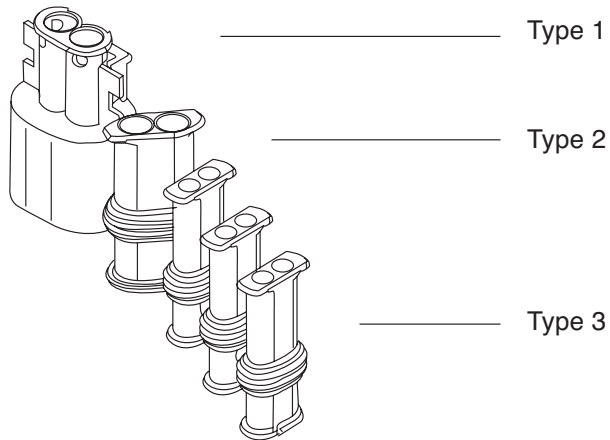
| Type | No. of ways | Part number | Specification | Material | Colour |
|------|-------------|---------------|---|-----------------------------|--|
| 1 | | 17226.999.000 | Verschlusskappe Deckel Überwurfmutter Dichtung Haltebügel | PA PA + PE EPDM PA | tiefschwarz tiefschwarz tiefschwarz tiefschwarz |
| 2 | 20 | 17025.000.000 | Diagnosestecker Gehäuse Zusatzverriegelung | PA PA | tiefschwarz tiefschwarz |
| Typ | Polzahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Special parts

Sonderteile

Splash-proof flat connector stationary heating
in automobiles

Spritzwassergeschützte Flachsteckverbin-
dung für Standheizung im Automobil



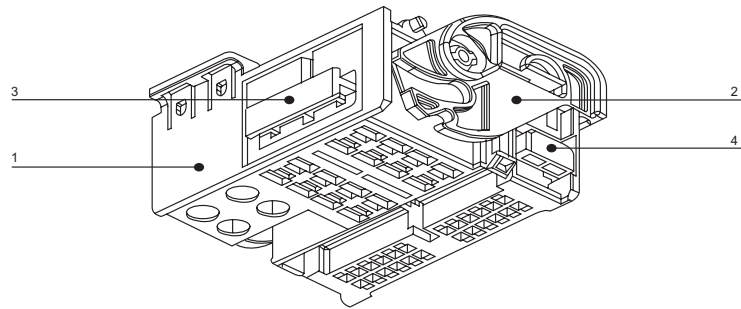
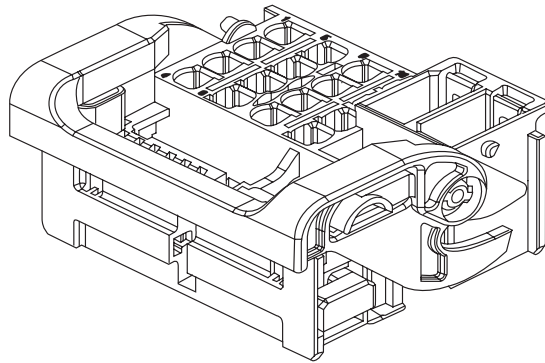
| Type | No. of ways | Part number | Specification | Material | Surface/ Colour | Foot-note |
|------|--------------|---------------|---|----------------------|---|--------------|
| 1 | 2 | 17695.000.000 | MDK 3 PLUS - Gehäuse Gehäuse Sicherungsring Dichtung | PA PA + PE VMQ | tiefschwarz tiefschwarz korallenrot | |
| 2 | 2 | 17100.000.000 | MDK 5 PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | tiefschwarz korallenrot | |
| 3 | 2 | 17101.000.000 | MFK PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | | *1 |
| 3 | 2 | 17234.000.000 | MFK PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | tiefschwarz korallenrot | *1 |
| 3 | 2 | 17258.000.000 | MFK PLUS - Gehäuse Gehäuse Dichtung | PA VMQ | tiefschwarz korallenrot | *1 |
| Typ | Pol- zahl | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche/ Farbe | Fuß- note |

*1 Housings are keyed differently

*1 Die Gehäuse sind unterschiedlich kodiert

Radio Connector
40 - way

Radiostecker
40-polig



- 1 Socket housing
- 2 Lever
- 3 Secondary locking device 2.8 mm cavities
- 4 Secondary locking device 0.63 mm cavities

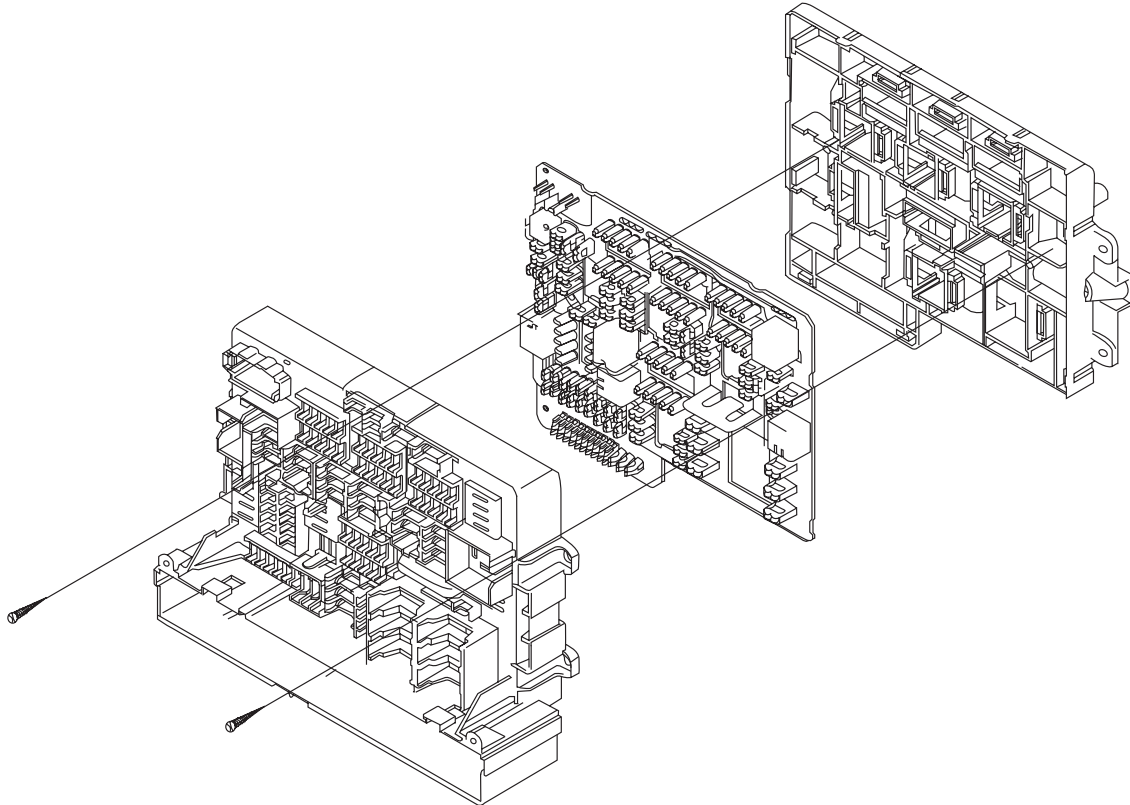
- 1 Buchsengehäuse
- 2 Hebel
- 3 Sekundärverriegelung 2,8 mm Kontakte
- 4 Sekundärverriegelung 0,63 mm Kontakte

Customer-tailored radio connector, available only upon request

Kundenspezifischer Radiostecker, Verfügbarkeit auf Anfrage.

Junction Box

Stromverteiler

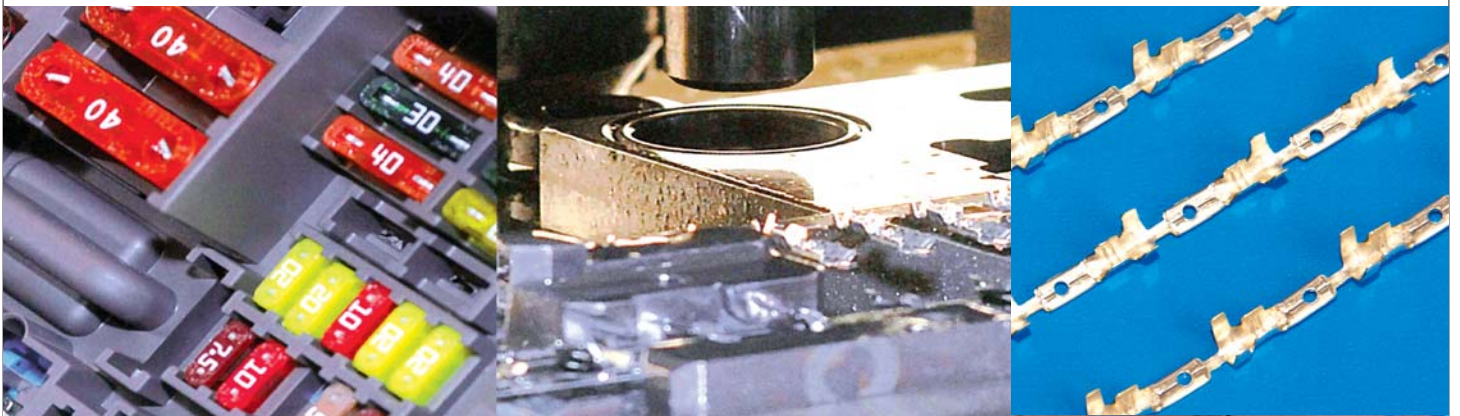


Customer-tailored junction box, available only upon request

Kundenspezifischer Stromverteiler, Verfügbarkeit auf Anfrage.

Flat Connectors 2.8 mm

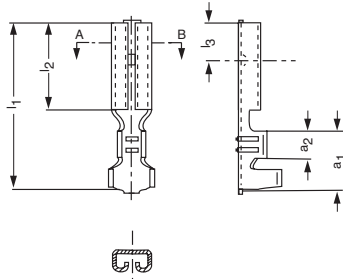
Flachstecktechnik 2,8 mm



Receptacles
for tab width 2.8 mm
DIN 46330 and similar types

Flachsteckhülsen
für Steckerbreite 2,8 mm
DIN 46330 und ähnliche Ausführungen

Type 1



Schnitt A-B

| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Material thickness | Notch | Form E=Single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|--------------|---------------------------|--------------|------|------|-------|------|------|--------------------|-------------|-----------------------|--|--------------|------------|-----------------|-----------|
| 1 | 0.1 - 0.25 | 0.80 | 2.8 | | | 5.00 | 2.00 | 14.00 | 6.30 | 3.30 | 0.25 | X | B B | 25325.123.211 25325.213.011 | CuZn CuSn | Sn Sn | | L |
| 1 | 0.1 - 0.3 | 0.80 | 2.8 | 46330 Teil 2 Form A | 2.8 - 0.25 | 5.00 | 2.00 | 12.50 | 5.00 | 3.90 | 0.25 | X | B B | 25548.123.204 25548.123.211 | CuZn CuZn | Sn | | L |
| 1 | 0.1 - 0.3 | 0.50 | 2.8 | | | 5.00 | 2.00 | 14.00 | 6.30 | 5.50 | 0.25 | X | B | 25621.123.211 | CuZn | Sn | | L |
| 1 | 0.1 - 0.25 | 0.50 | 2.8 | | | 5.00 | 2.00 | 12.50 | 5.00 | 3.90 | 0.25 | X | B | 25682.123.211 | CuZn | Sn | | L *1 |
| 1 | 0.3 - 0.6 | 0.80 | 2.8 | | | 5.70 | 3.20 | 14.00 | 6.30 | 3.30 | 0.25 | X | B B | 25837.123.204 25837.123.211 | CuZn CuZn | Sn | | L |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | DIN | Nenn-größe | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Stahl-feder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

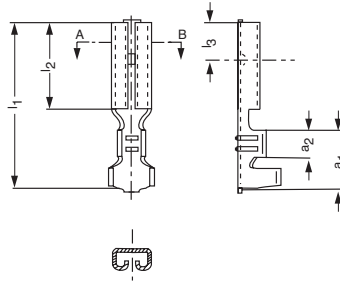
*1 For wires DIN 47104 - E or solid wire 18 x 0.1 mm

*1 Für Leitungen DIN 47104 - E und Drahtlitzenleiter 18 x 0,1 mm

Receptacles
for tab width 2.8 mm
DIN 46247 and similar types

Flachsteckhülsen
für Steckerbreite 2,8 mm
DIN 46247 und ähnliche Ausführungen

Type 1



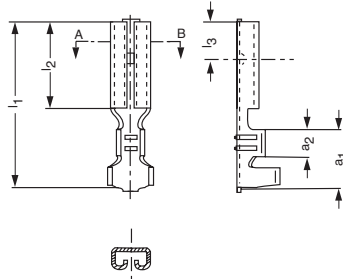
Schnitt A-B

| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Material thickness | Notch | Form E=Single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|---------------------------|--------------|------|------|-------|------|------|--------------------|-----------|-----------------------|--|----------------------|------------|----------------|
| 1 | 0.5 - 1.0 | 0.50 | 2.80 | | | 5.00 | 2.80 | 12.50 | 5.00 | 3.30 | 0.30 | X | B B | 25029.123.211 25029.213.011 | CuZn CuSn | Sn Sn | L |
| 1 | 0.5 - 1.0 | 0.8 | 2.80 | | | 5.50 | 2.50 | 15.50 | 8.00 | | 0.30 | X | B | 25414.417.031 | Stahl | Ni | L |
| 1 | 0.5 - 1.0 | 0.50 | 2.80 | 46247 Teil 1 Form A | 2.8 - 1 | 5.50 | 2.50 | 14.00 | 6.30 | 3.30 | 0.25 | X | B B B | 25415.123.204 25415.123.211 25415.213.011 | CuZn CuZn CuSn | Sn Sn | L |
| 1 | 0.5 - 1.0 | 0.40 | 2.80 | | | 5.00 | 2.80 | 12.50 | 5.00 | 3.30 | 0.30 | X | B | 25462.123.211 | CuZn | Sn | L |
| 1 | 0.5 - 1.0 | 0.80 | 2.80 | | | 5.50 | 2.50 | 14.00 | 6.30 | 5.30 | 0.25 | X | B | 25516.123.211 | CuZn | Sn | L |
| 1 | 0.5 - 1.0 | 0.50 | 2.80 | | | 5.50 | 2.50 | 14.00 | 6.30 | 5.30 | 0.25 | X | B | 25789.123.211 | CuZn | Sn | L |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | DIN | Nenngröße | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Rastpunkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vor-schub |

Receptacles
for tab width 2.8 mm DIN 46247
DIN 46330 and similar types

Flachsteckhülsen
für Steckerbreite 2,8 mm DIN 46247
DIN 46330 und ähnliche Ausführungen

Type 1



Schnitt A-B

| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Material thickness | Notch | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|-------------|---------------------|--------------|------|------|-------|------|------|--------------------|-----------|-----------------------|--|-------------------------------------|--------------|-----------------|-----------|
| 1 | 0.5 - 1.0 | 0.80 | 2.80 | 46330 Teil 2 Form A | 2.8 - 1 | 5.50 | 2.50 | 12.50 | 5.00 | 3.30 | 0.30 | X | B B B B | 25036.123.204 25036.123.211 25036.213.004 25036.417.031 | CuZn CuZn CuSn ST 4 K40 RP | Sn Ni | L | |
| 1 | 0.5 - 1.0 | 0.80 | 2.80 | 46247 Teil 1 Form B | 2.8 - 1 | 5.50 | 2.50 | 14.00 | 6.30 | 3.30 | 0.25 | X | B B B B | 25365.123.204 25365.123.211 25365.213.004 25365.213.011 | CuZn CuZn CuSn CuSn | Sn Sn | L | |
| 1 | 0.75 - 1.5 | 0.8 | 2.80 | 46330 Teil 2 Form A | 2.8 - 1.5 | 5.50 | 2.50 | 12.50 | 5.00 | 3.30 | 0.30 | X | B | 25562.123.211 | CuZn | Sn | L | *1 |
| 1 | 0.75 - 1.5 | 0.50 | 2.80 | | | 5.50 | 2.50 | 12.50 | 5.00 | 3.30 | 0.30 | X | B | 25563.123.211 | CuZn | Sn | L | *1 |
| 1 | 0.75 - 1.5 | 0.80 | 2.80 | | | 5.50 | 2.50 | 14.00 | 6.30 | 3.30 | 0.25 | X | B | 25572.123.211 | CuZn | Sn | L | *1 |
| 1 | 0.75 - 1.5 | 0.40 | 2.80 | | | 5.50 | 2.50 | 14.00 | 6.30 | 3.30 | 0.25 | X | B | 26500.123.204 | CuZn | | L | *1 |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | DIN | Nenngröße | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Rastpunkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

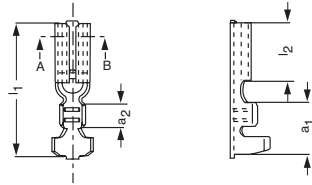
*1 Provided for double crimp

*1 Vorgesehen für Doppelcrimp

Receptacles
for tab width 2.8 mm
DIN 46330 and similar types

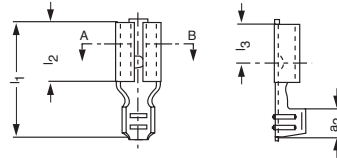
Flachsteckhülsen
für Steckerbreite 2,8 mm
DIN 46330 und ähnliche Ausführungen

Type 1



Schnitt A-B

Type 2



Schnitt A-B

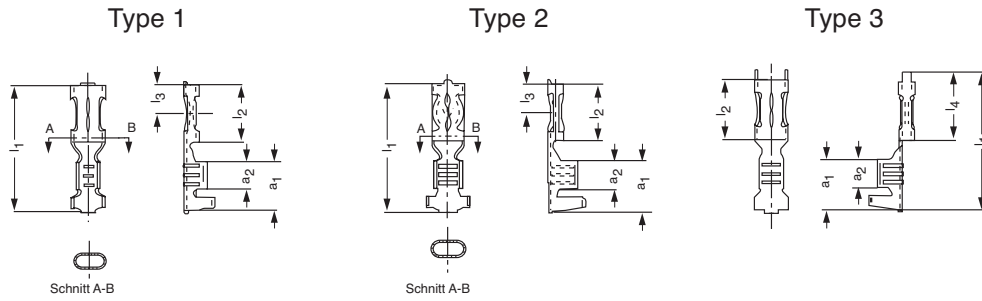
| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Material thickness | Notch | Form E=Single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|--------------|---------------------|--------------|------|------|-------|------|------|--------------------|------------|-----------------------|--|--------------|------------|-----------------|-----------|
| 1 | 0.5 - 1.0 | 0.80 | 2.80 | | | 5.50 | 2.50 | 14.00 | 6.30 | | 0.25 | | B | 25103.123.204 | CuZn | | L | *1 |
| 2 | 0.5 - 1.0 | 0.80 | 2.80 | 46330 Teil 2 Form B | 2.8 - 1 | | 2.50 | 9.60 | 5.00 | 3.30 | 0.30 | X | B B | 25267.123.204 25267.123.211 | CuZn CuZn | Sn | L | |
| 2 | 0.5 - 1.0 | 0.50 | 2.80 | | | | 2.50 | 9.60 | 5.00 | 3.30 | 0.30 | X | B | 25363.123.211 | CuZn | Sn | L | |
| 1 | 0.5 - 1.0 | 0.50 | 2.80 | | | 5.50 | 2.50 | 14.00 | 6.30 | | 0.25 | | B | 26110.123.211 | CuZn | | L | *1 |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | DIN | Nenn-größe | a1 | a2 | l1 | l2 | l3 | Mat-dicke | Rast-punkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

*1 Reduced insertion force

*1 Steckkraftreduziert

Receptacles
for tab width 2.8 mm
DIN 46247 and similar types

Flachsteckhülsen
für Steckerbreite 2,8 mm
DIN 46247 und ähnliche Ausführungen

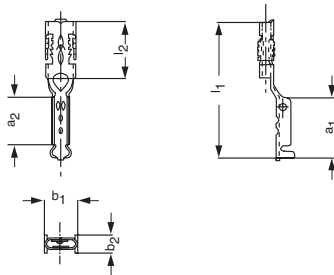


| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | l4 | Material thickness | Notch | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|-------|------|------|------|--------------------|-----------|-----------------------|---------------|-----------|------------|---------------|
| 1 | 0.2 - 0.6 | 0.50 | 2.80 | 5.50 | 3.20 | 14.00 | 6.25 | 3.25 | | 0.30 | X | B | 25716.213.179 | CuSn | Sn | NQ |
| 1 | 0.2 - 0.6 | 0.50 | 2.80 | 5.50 | 3.20 | 14.00 | 6.25 | | | 0.30 | | B | 25798.213.179 | CuSn | Sn | NQ |
| 1 | 0.2 - 0.6 | 0.80 | 2.80 | 5.50 | 3.20 | 14.00 | 6.25 | 3.25 | | 0.30 | X | B | 25717.213.179 | CuSn | Sn | NQ |
| 2 | 0.75 - 1.5 | 0.80 | 2.80 | 5.50 | 3.20 | 14.00 | 6.25 | 3.25 | | 0.30 | | B | 26303.213.179 | CuSn | Sn | NQ |
| 3 | 0.2 - 0.6 | 0.80 | 2.80 | 5.50 | 3.20 | 14.00 | 6.25 | | 7.45 | 0.30 | | B | 25781.123.009 | CuZn | | NQ |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | l3 | l4 | Mat.-dicke | Rastpunkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vorschub |

Receptacles
for tab width 2.8 mm
Stator connecting terminals

Flachsteckhülsen
für Steckerbreite 2,8 mm
Mortoranschlußtechnik

Type 1

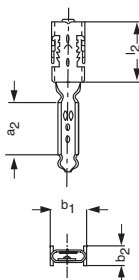
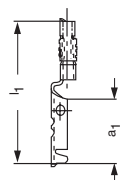
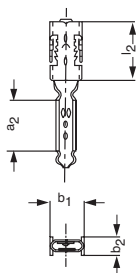


| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | b1 | b2 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|------|------|-------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.3 - 0.6 | 0.80 | 2.80 | 7.00 | 5.50 | 3.60 | 2.15 | 15.25 | 6.25 | 0.30 | B | 25449.123.178 | CuZn | Sn | L |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | b1 | b2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

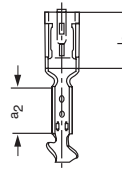
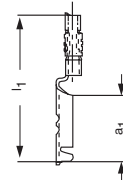
Receptacles
for tab width 2.8 mm
Stator connecting terminals

Flachsteckhülsen
für Steckerbreite 2,8 mm
Motoranschlußtechnik

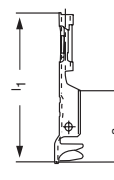
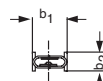
Type 1



Type 2



Type 3



| Type | Enameled wire diameter | Tab thickness | Tab width | a1 | a2 | b1 | b2 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|--------------|------|------|------|------|-------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|-----------|
| 1 | 0.3 - 0.6 | 0.80 | 2.80 | 7.00 | 5.50 | 3.60 | 2.15 | 15.50 | 6.25 | 0.30 | B | 25831.213.009 | CuSn | | SQ | *1 |
| 1 | 0.3 - 0.6 | 0.80 | 2.80 | 7.00 | 5.50 | 3.60 | 2.15 | 15.50 | 6.25 | 0.30 | B | 25832.213.009 | CuSn | | SQ | |
| 2 | 0.3 - 0.6 | 0.80 | 2.80 | 7.00 | 5.50 | 3.60 | 2.15 | 15.50 | 6.25 | 0.30 | B | 25893.213.009 | CuSn | | SQ | *1 |
| 2 | 0.3 - 0.6 | 0.80 | 2.80 | 7.00 | 5.50 | 3.60 | 2.15 | 15.50 | 6.25 | 0.30 | B | 25894.213.009 | CuSn | | SQ | |
| 3 | 0.4 - 0.75 | 0.80 | 2.80 | 8.20 | 5.25 | 3.60 | 1.60 | 16.40 | 6.25 | 0.30 | B | 26198.213.009 | CuSn | | NQ | |
| 3 | 0.7 - 1.06 | 0.80 | 2.80 | 2.80 | 5.25 | 3.60 | 1.60 | 16.40 | 6.25 | 0.30 | B | 26199.213.178 | CuSn | Sn | NQ | |
| Typ | Lackdraht-Ø | Steck-dicke | Steck-breite | a1 | a2 | b1 | b2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

*1 Side way feed right

*1 Einlafrichtung in das Crimpwerkzeug von rechts

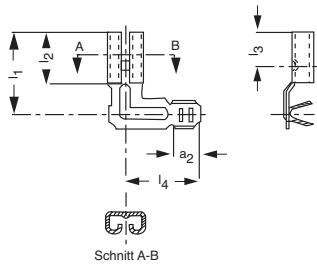
Receptacles

for tab width 2.8 mm
flag type

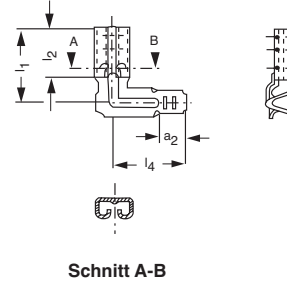
Flachsteckhülsen

für Steckerbreite 2,8 mm
mit seitlichem Leiteranschluß

Type 1



Type 2

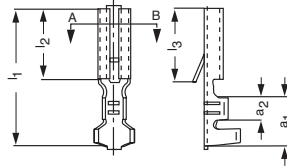


| Type | Wire cross section qmm | Tab thickness | Tab width | a2 | l1 | l2 | l3 | l4 | Material thickness | Notch | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|--------------|------|------|------|------|------|--------------------|------------|-----------------------|--------------------------------|--------------|------------|-----------------|
| 1 | 0.5 - 1 | 0.80 | 2.80 | 2.50 | 7.85 | 5.00 | 3.30 | 7.20 | 0.30 | X | B B | 25474.123.211 25474.213.011 | CuZn CuSn | Sn Sn | L |
| 2 | 0.5 - 1 | 0.50 | 2.80 | 2.50 | 7.85 | 5.00 | | 7.20 | 0.30 | | B | 25157.123.211 | CuZn | Sn | L |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | a2 | b1 | b2 | l1 | l2 | Mat.-dicke | Rast-punkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Receptacles
for tab width 2.8 mm
to engage in housings
DIN 46340 and similar types

Flachsteckhülsen
für Steckerbreite 2,8 mm
zum Einrasten in Gehäuse
DIN 46340 und ähnliche Ausführungen

Type 1



Schnitt A-B

| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|--------------|---------------------|--------------|------|------|-------|------|------|--------------------|-----------------------|--|------------------------------|------------|-----------------|----------------|
| 1 | 0.1 - 0.25 | 0.80 | 2.8 | | | 5.00 | 2.00 | 14.00 | 6.30 | 5.60 | 0.25 | B | 26164.123.211 | CuZn | Sn | L | *1 |
| 1 | 0.5 - 1.0 | 0.8 | 2.8 | 46340 Teil 1 Form B | 2.8 - 1.0 | 5.50 | 2.50 | 14.00 | 6.30 | 5.60 | 0.25 | B B B B | 26365.123.204 26365.123.211 26365.213.004 26365.213.011 | CuZn CuZn CuSn CuSn | Sn Sn | L | |
| 1 | 0.5 - 1.0 | 0.5 | 2.8 | 46340 Teil 1 Form A | 2.8 - 1.0 | 5.50 | 2.50 | 14.00 | 6.30 | 5.60 | 0.25 | B B | 26415.123.211 26415.213.011 | CuZn CuSn | Sn Sn | L | |
| 1 | 0.75 - 1.5 | 0.50 | 2.8 | | | 5.50 | 2.50 | 14.00 | 6.30 | 5.60 | 0.25 | B | 26504.123.211 | CuZn | Sn | L | |
| 1 | 0.75 - 1.5 | 0.80 | 2.8 | | | 5.50 | 2.50 | 14.00 | 6.30 | 5.60 | 0.25 | B B B | 26572.123.211 26572.213.004 26572.213.011 | CuZn CuSn CuSn | Sn Sn | L | *2 *2 *2 |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | DIN | Nenn-größe | a1 | a2 | l1 | l2 | l3 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

*1 For wires DIN 47104-E or solid wire 18 x 0.1 mm

*2 Provided for double crimp

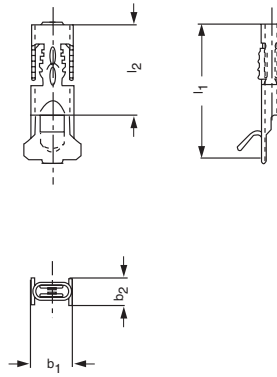
*1 Für Leitungen DIN 47104-E oder Drahtlitzenleiter 18 x 0.1 mm

*2 Vorgesehen für Doppelcrimp

Receptacles
for tab width 2.8 mm
stator connecting terminals

Flachsteckhülsen
für Steckerbreite 2,8 mm
Motoranschlußtechnik

Type 1



| Type | Wire cross section qmm | Tab thickness | Tab width | b1 | b2 | l1 | l2 | Mat-erial thick-ness | Form E=single B=chain | Part number | Material | Surface | Ter-minal feed | Foot-note |
|------|------------------------|---------------|--------------|------|------|-------|------|----------------------|-----------------------|---------------|-----------|------------|-----------------|-----------|
| 1 | 0.2 - 0.5 | 0.60 | 2.8 | 3.60 | 2.15 | 10.60 | 7.20 | 0.30 | B | 25747.123.178 | CuZn | Sn | NQ | *1 |
| 1 | 0.2 - 0.5 | 0.60 | 2.8 | 3.60 | 2.15 | 10.60 | 7.20 | 0.30 | B | 25748.123.178 | CuZn | Sn | NQ | *2 |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | b1 | b2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

*1 Wound with welding hooks towards centre

*2 Side way feed right, wound with welding hooks towards centre

*1 Abspullage Schweißhaken zum Kern

*2 Einlauf der Kontakte in das Crimpwerkzeug von rechts, Abspullage Schweißhaken zum Kern

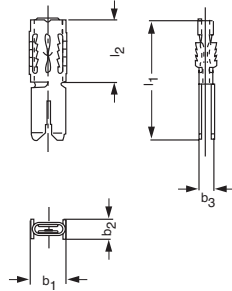
Receptacles

for tab width 2.8 mm
Stator connecting terminals

Flachsteckhülsen

für Steckerbreite 2,8 mm
Motoranschlußtechnik

Type 1



Type 2

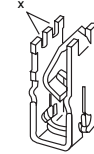
Variante 1



Variante 2



Variante 3



| Type | Enameled wire diameter | Tab thickness | Tab width | b1 | b2 | b3 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|-----------------|------------------|------|------|------|------|------|--------------------|-----------------------------|---------------|-----------|------------|------------------------|--------------|
| 1 | 0.35 - 0.56 | 0.80 | 2.8 | 3.60 | 2.15 | 1.60 | 12.2 | 6.25 | 0.30 | B | 25147.123.178 | CuZn | Sn | NQ | |
| 1 | 0.63 - 0.85 | 0.80 | 2.8 | 3.60 | 2.15 | 1.60 | 12.2 | 6.25 | 0.30 | B | 25158.123.178 | CuZn | Sn | NQ | |
| 2 | 0.265 - 0.4 | 0.50 | 2.8 | | | | | | 0.32 | B | 26796.202.009 | CuSn | Sn | | *2 |
| 2 | 0.4 - 0.67 | 0.50 | 2.8 | | | | | | 0.40 | B | 26797.202.009 | CuSn | Sn | | *3 |
| 2 | 0.67 - 0.95 | 0.50 | 2.8 | | | | | | 0.40 | B | 26797.202.178 | CuSn | Sn | | *3 |
| 2 | 0.67 - 0.95 | 0.50 | 2.8 | | | | | | 0.40 | B | 26798.202.009 | CuSn | Sn | | *4 |
| 1 | 0.63 - 0.85 | 0.80 | 2.8 | 3.60 | 2.15 | 1.60 | 12.2 | 6.25 | 0.30 | B | 28050.123.178 | CuZn | Sn | NQ | *1 |
| Typ | Lackdraht- o | Steck- dicke | Steck- breite | b1 | b2 | b1 | l1 | l2 | Mat- dicke | Form- E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb- vor- schub | Fuß- note |

*1 Side way feed left

*2 Version 2

*3 Version 3

*4 Version 4

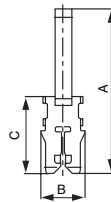
*1 Einlauf der Kontakte in das Verarbeitungswerkzeug von links

*2 Variante 2

*3 Variante 3

*4 Variante 4

Type 1



| Type | A | B | C | Part number | Specification | Material | Surface |
|------|------|-----|-----|---------------|----------------------|-----------|------------|
| 1 | 16.2 | 4.3 | 7.6 | 28189.202.179 | SKL-D - Flachkontakt | CuSn4 | FrSn 3+3 |
| Typ | A | B | C | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

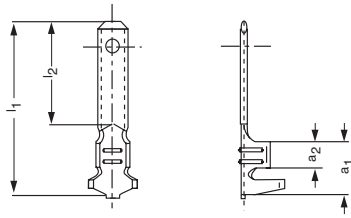
Tabs

for tab width 2.8 mm

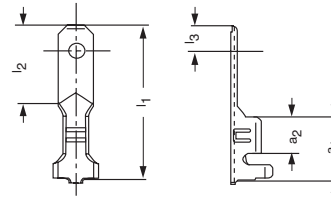
Flachstecker

für Steckerbreite 2,8 mm

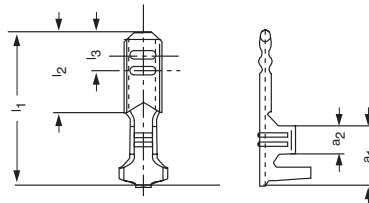
Type 1



Type 2

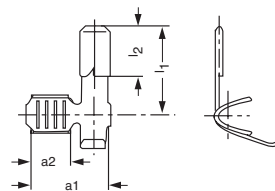


Type 3



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|-------|-------|------|--------------------|-----------------------|--|--------------|------------|-----------------|
| 1 | 0.5 - 1.0 | 0.80 | 2.8 | 5.50 | 2.50 | 12.60 | 5.50 | | 0.38 | B B | 25144.123.009 25144.123.111 | CuZn CuZn | Sn | L |
| 3 | 0.3 - 0.8 | 0.80 | 2.8 | 5.20 | 2.40 | 13.20 | 6.60 | 3.10 | 0.38 | B | 25829.123.009 | CuZn | | NQ |
| 3 | 0.3 - 0.8 | 0.80 | 2.8 | 5.20 | 2.40 | 24.20 | 17.60 | 3.10 | 0.38 | B | 25830.123.009 | CuZn | | NQ |
| 2 | 0.3 - 0.6 | 0.50 | 2.8 | 5.50 | 3.20 | 13.20 | 6.00 | 2.20 | 0.38 | B | 26709.123.179 | CuZn | Sn | NQ |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1

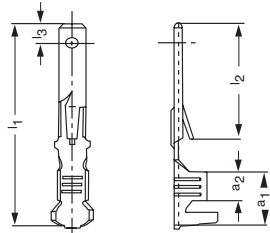


| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|------|------|--------------------|-----------------------|----------------------|-----------|------------|-----------------|
| 1 | 0.75 - 1.5 | 0.80 | 2.8 | 7.50 | 4.00 | 8.00 | 4.75 | 0.38 | B | 26218.123.179 | CuZn | Sn | L |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

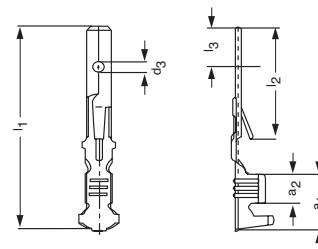
Tabs
with tab width 2.8 mm
to engage in housings
DIN 46343 and similar types

Flachstecker
mit Steckerbreite 2,8 mm
zum Einrasten in Gehäuse
DIN 46343 und ähnliche Ausführungen

Type 1



Type 2



| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | d3 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|--------------|---------------------|--------------|------|------|------|-------|-------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|-----------|
| 2 | 0.5-1.0 | 0.80 | 2.8 | 46343 Teil 1 Form B | 2.8 - 1.0 | 6.00 | 3.20 | 1.30 | 22.50 | 12.70 | 2.20 | 0.38 | E | 05628.123.011 | CuZn | Sn | | |
| | | | | | | | | | | | | | E | 05628.213.011 | CuSn | Sn | | |
| | | | | | | | | | | | | | B | 25628.123.009 | CuZn | | L | |
| | | | | | | | | | | | | | B | 25628.213.009 | CuSn | Sn | | |
| 1 | 0.2 - 0.4 | 0.80 | 2.8 | | | 6.00 | 3.20 | | 22.50 | 12.70 | 2.20 | 0.38 | B | 25617.123.111 | CuZn | Sn | L | |
| 1 | 0.75 - 1.5 | 0.80 | 2.8 | | | 6.00 | 3.20 | | 22.50 | 12.70 | 2.20 | 0.38 | B | 25618.123.111 | CuZn | Sn | L | |
| 1 | 0.5 - 1.0 | 0.80 | 2.8 | | | 6.00 | 3.20 | | 22.50 | 12.70 | | 0.38 | B | 25620.123.111 | CuZn | Sn | L | *1 |
| | | | | | | | | | | | | | B | 25620.213.009 | CuSn | Sn | | *1 |
| 1 | 0.2 - 0.4 | 0.80 | 2.8 | | | 6.00 | 3.20 | | 22.50 | 12.70 | | 0.38 | B | 25660.123.111 | CuZn | Sn | L | *1 |
| 2 | 0.5 - 1.0 | 0.80 | 2.8 | | | 6.00 | 3.20 | 1.20 | 22.50 | 12.70 | 4.50 | 0.38 | B | 25818.213.178 | CuSn | Sn | L | |
| 1 | 0.75 - 1.5 | 0.80 | 2.8 | | | 6.00 | 3.20 | | 22.50 | 12.70 | | 0.38 | B | 25990.123.111 | CuZn | Sn | L | *1 |
| 2 | 0.5 - 1.0 | 0.80 | 2.8 | | | 6.00 | 3.20 | | 22.50 | 12.70 | | 0.38 | B | 26342.123.111 | CuZn | Sn | L | *1 |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | DIN | Nenn-größe | a1 | a2 | d3 | l1 | l2 | l3 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

* Without Locking hole

* Ohne Rastloch

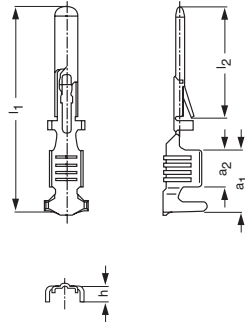
Tabs

with tab width 2.8 mm
to engage in housings

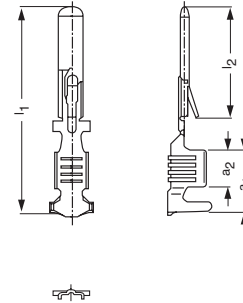
Flachstecker

mit Steckerbreite 2,8 mm
zum Einrasten in Gehäuse

Type 1



Type 2



| Type | Wire cross section qmm | Type of Lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | l2 | h | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|--------------|---------------------|---------------|-------------|------|------|-------|-------|------|--------------------|-----------------------------|----------------------|-----------|-------------|----------------|-----------|
| 2 | 0.5 -1.0 (0.35) | FL | 1.4 - 2.1 | 0.80 | 2.80 | 6.20 | 3.00 | 22.50 | 12.10 | | 0.38 | B | 26043.201.702 | CuSn | Ni/Sn/Ni/Au | NQ | *1 |
| 1 | 0.5 -1.0 (0.35) | FL | 1.4 - 2.1 | 0.80 | 2.80 | 6.20 | 3.00 | 22.50 | 12.10 | 1.90 | 0.38 | B | 26165.201.178 | CuSn | Sn | NQ | *1 |
| 1 | 1.5 - 2.5 | FL | 2.2 - 3.0 | 0.80 | 2.80 | 7.20 | 4.00 | 22.50 | 12.10 | 1.90 | 0.38 | B | 26166.201.178 | CuSn | Sn | NQ | *1 |
| Typ | Nennquerschnitt qmm | Leitart | Isol.-Ø | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | h | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vorschub | Fußnote |

*1 The terminals have different kinds of strips

*1 Die Kontakte besitzen unterschiedliche Transportstreifen

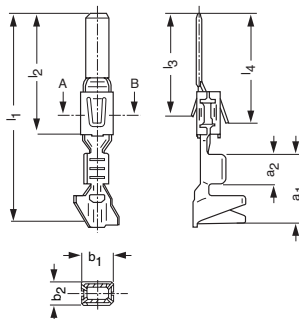
Tabs PLUS

to engage in housings
for splash-proof version

Flachstecker PLUS

zum Einrasten in Gehäuse
für spritzwassergeschützten Einsatz

Type 1



| Type | Wire cross section qmm | Insulation diameter | Tab thickness | Tab width | a1 | a2 | b1 | b2 | i1 | i2 | i3 | i4 | Mat- erial thick- ness | Steel spring | Form E=single B=chain | Part number | Material | Surface | Ter- minal feed | Foot- note |
|------|----------------------------------|---------------------|-----------------|------------------|------|------|------|------|-------|-------|-------|------|---------------------------------|-----------------|-----------------------------|--|----------------|-------------------|-------------------------|---------------|
| 1 | 0.5 - 1.0 | 1.4 - 2.0 | 0.80 | 2.80 | 8.80 | 3.50 | 2.80 | 3.95 | 26.00 | 15.00 | 12.60 | 13.5 | 0.38 | X | B B | 26253.201.702 26253.331.178 | CuSn CuFe2P | Ni/Sn/Ni/Au Sn | NQ | *1 |
| 1 | 1.5 - 2.5 | 2.1 - 2.9 | 0.80 | 2.80 | 8.80 | 3.50 | 2.80 | 3.95 | 26.00 | 15.00 | 12.60 | 13.5 | 0.38 | X | B | 26255.331.178 | CuFe2P | Sn | NQ | *1 |
| Typ | Nenn- quer- schnitt qmm | Isol.- Ø | Steck- dicke | Steck- breite | a1 | a2 | b1 | b2 | i1 | i2 | i3 | i4 | Mat- dicke | Stahl- feder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.- vor- schub | Fuß- note |

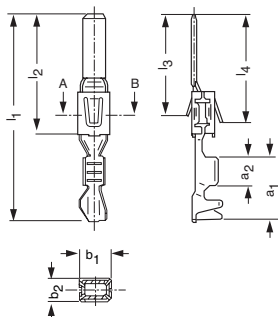
Tabs

with tab width 2.8 mm
to engage in housings

Flachstecker

mit Steckerbreite 2,8 mm
zum Einrasten in Gehäuse

Type 1



| Type | Wire cross section qmm | Insulation diameter | Tab thickness | Tab width | a1 | a2 | b1 | b2 | i1 | i2 | i3 | i4 | Mat- erial thick- ness | Steel spring | Form E=single B=chain | Part number | Material | Surface | Ter- minal feed | Foot- note |
|------|----------------------------------|---------------------|-----------------|------------------|------|------|------|------|-------|-------|-------|-------|---------------------------------|-----------------|-----------------------------|----------------------|-----------|------------|-------------------------|---------------|
| 1 | 0.5-1.0 | 1.4-2.0 | 0.80 | 2.80 | 8.00 | 3.50 | 2.80 | 3.95 | 26.00 | 15.00 | 12.60 | 13.50 | 0.38 | X | B | 26252.331.178 | CuFe2P | Sn | NQ | *1 |
| 1 | 1.5-2.5 | 2.1-2.9 | 0.80 | 2.80 | 8.00 | 3.50 | 2.80 | 3.95 | 26.00 | 15.00 | 12.60 | 13.50 | 0.38 | X | B | 26254.331.178 | CuFe2P | Sn | NQ | *1 |
| Typ | Nenn- quer- schnitt qmm | Isol.- Ø | Steck- dicke | Steck- breite | a1 | a2 | b1 | b2 | i1 | i2 | i3 | i4 | Mat- dicke | Stahl- feder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.- vor- schub | Fuß- note |

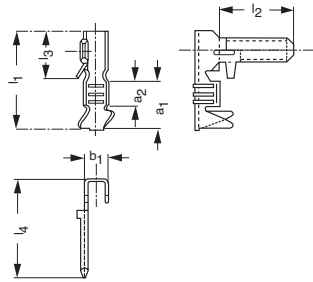
Tabs

with tab width **2.8 mm**
to engage in housings
flag type

Flachstecker

mit Steckerbreite **2,8 mm**
zum Einrasten in Gehäuse
mit seitlichem Leiteranschluß

Type 1

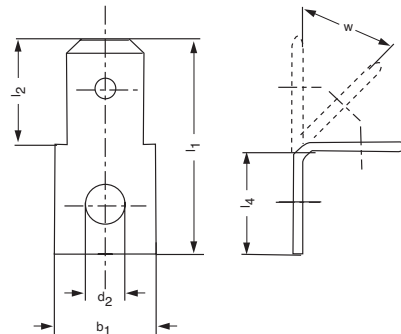


| Type | Wire cross section gmm | Tab thickness | Tab width | a1 | a2 | b1 | l1 | l2 | l3 | l4 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|------|-------|------|------|-------|--------------------|-----------------------|---------------|-----------|------------|---------------|
| 1 | 0.75 | 0.80 | 2.80 | 6.00 | 3.20 | 3.00 | 12.20 | 9.50 | 6.10 | 12.50 | 0.38 | B | 26058.123.178 | CuZn | Sn | NQ |
| Typ | Nennquerschnitt gmm | Steckdicke | Steckbreite | a1 | a2 | b1 | l1 | l2 | l3 | l4 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb-vorschub |

Tabs
with tab width **2.8 mm**

Flachstecker
mit Steckerbreite **2,8 mm**

Type 1



| Type | Tab thickness | Tab width | b1 | d2 | l1 | l2 | l4 | W° | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|------|-------|------|------|----|--------------------|-----------------------|---------------|-----------|------------|
| 1 | 0.80 | 2.80 | 4.50 | 3.10 | 13.00 | 5.50 | 6.50 | 90 | 0.80 | E | 12464.123.011 | CuZn | Sn |
| 1 | 0.80 | 2.80 | 4.50 | 3.10 | 13.00 | 5.50 | 6.50 | 60 | 0.80 | E | 12694.123.011 | CuZn | Sn |
| Typ | Steckdicke | Steckbreite | b1 | d2 | l1 | l2 | l4 | W° | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

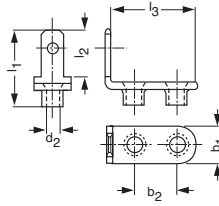
Tabs

with tab width **2.8 mm**

Flachstecker

mit Steckerbreite **2,8 mm**

Type 1

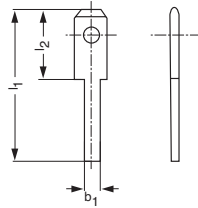


| Type | Tab thickness | Tab width | b1 | b2 | d2 | l1 | l2 | l3 | Material thickness | Form E=Single B=chain | Part number | Specification | Material | Surface |
|------|---------------|-------------|------|------|------|------|------|------|--------------------|-----------------------------|---------------|---------------|-----------|------------|
| 1 | 0.80 | 2.80 | 4.50 | 5.00 | 1.80 | 9.00 | 5.50 | 9.75 | 0.80 | E | 12003.111.011 | Flachstecker | CuZn | Sn |
| Typ | Steckdicke | Steckbreite | b1 | b2 | d2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

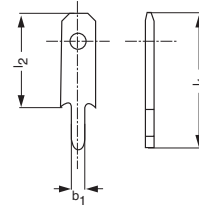
Tabs

with tab width **2.8 mm**
for soldering into PC boards

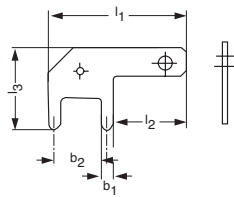
Type 1



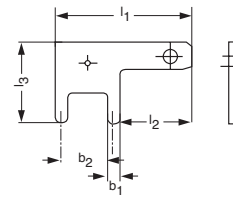
Type 2



Type 3



Type 4

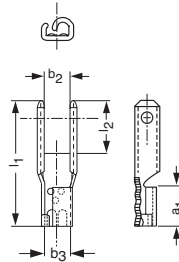


| Type | Tab thickness | Tab width | b1 | b2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|------|-------|------|------|--------------------|-----------------------------|----------------------|-----------|------------|
| 2 | 0.80 | 2.80 | 0.90 | | 10.50 | 6.50 | | 0.80 | E | 12610.123.025 | CuZn | Sn |
| 2 | 0.80 | 2.80 | 0.90 | | 11.50 | 8.10 | | 0.80 | E | 12625.123.011 | CuZn | Sn |
| 4 | 0.80 | 2.80 | 1.30 | 5.00 | 13.40 | 7.10 | 8.00 | 0.80 | E | 17124.123.025 | CuZn | Sn |
| 3 | 0.80 | 2.80 | 1.30 | 5.00 | 13.40 | 7.10 | 8.00 | 0.80 | E | 17127.123.025 | CuZn | Sn |
| 1 | 0.80 | 2.80 | 1.40 | | 14.00 | 6.50 | | 0.80 | E | 17486.123.025 | CuZn | Sn |
| Typ | Steckdicke | Steckbreite | b1 | b2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Multiple tabs
with tab width 2.8 mm

Steckverteiler
mit Steckerbreite 2,8 mm

Type 1



| Type | Tab thickness | Tab width | a1 | b2 | b3 | l1 | l2 | Material thickness | Notch | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|------|------|-------|------|--------------------|-----------|-----------------------------|---------------|-----------|------------|
| 1 | 0.80 | 2.80 | 5.00 | 3.20 | 3.10 | 16.00 | 6.70 | 0.38 | X | E | 17447.123.211 | CuZn | Sn |
| Typ | Steckdicke | Steckbreite | a1 | b2 | b3 | l1 | l2 | Mat.-dicke | Rastpunkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

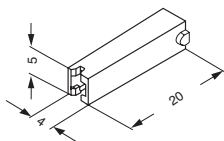
Housings

for receptacles
with tab width **2.8 mm**

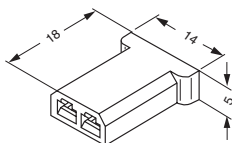
Gehäuse

für Flachsteckhülsen
Steckerbreite **2,8 mm**

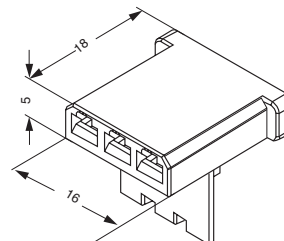
Type 1



Type 2

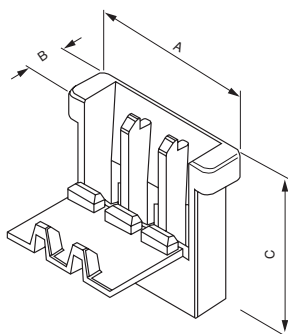


Type 3



| Type | No. of ways | Pitch | Part number | Specification | Material | Colour |
|------|-------------|--------|---------------|------------------------|-----------|--------|
| 3 | 3 | 5.00 | 16314.562.501 | Flachsteckhülsegehäuse | PA66 | natur |
| 2 | 2 | | 16341.562.501 | Flachsteckhülsegehäuse | PA66 | natur |
| 1 | 1 | | 16802.635.501 | Flachsteckhülsegehäuse | PA66 | natur |
| Typ | Pol-zahl | Raster | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Type 1

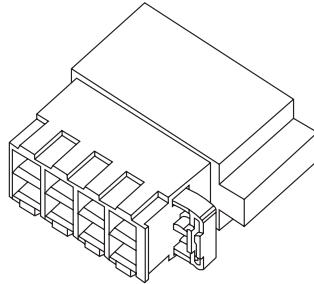


| Type | A | B | C | Part number | Specification | Material | Surface |
|------|------|---|----|---------------|-----------------|-----------|------------|
| 1 | 19.2 | 5 | 18 | 13183.562.699 | FSH 2,8-Gehäuse | PA66 | schwarz |
| Typ | A | B | C | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

Housings
for tabs
with tab width **2.8 mm**

Gehäuse
für Flachstecker
mit Steckerbreite **2,8 mm**

Type 1

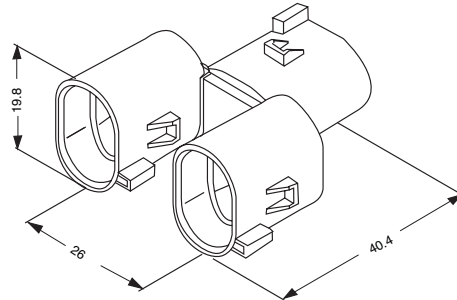


| Type | No. of ways | Part number | Specification | Material | Colour |
|------|-------------|---------------|---|---------------|------------------------|
| 1 | 8 | 17776.000.000 | Flachsteckergehäuse Verriegelungsschieber Flachsteckergehäuse | PA + PE PA | fehgrau tiefschwarz |
| Typ | Polzahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Tab-coupling
tab width 2.8 mm

Flachstecker-Kupplung
Steckerbreite 2,8 mm

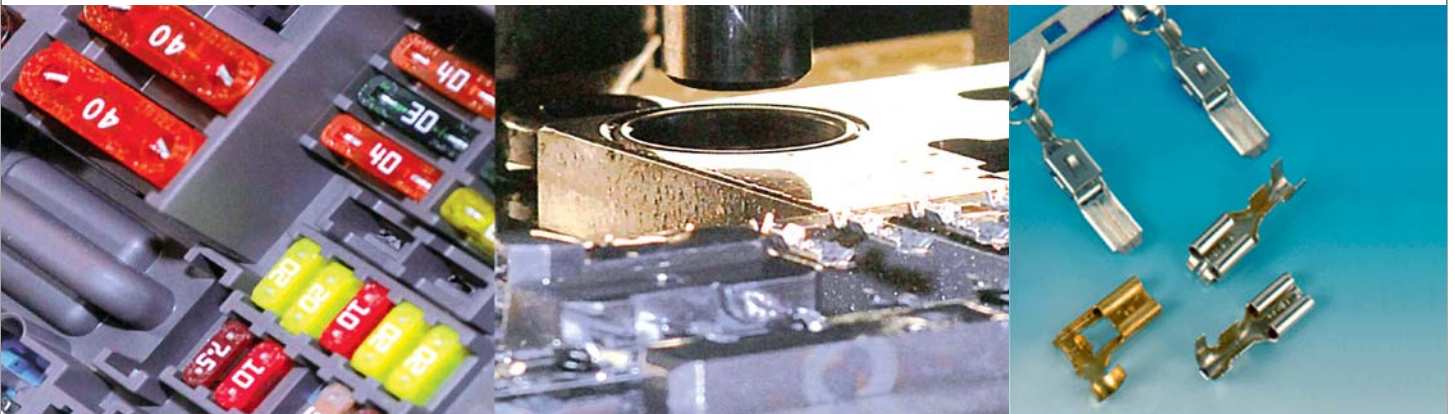
Type 1



| Type | No. of ways | Part number | Specification |
|------|-------------|---------------|---------------|
| 1 | 2/4 | 18135.000.000 | Kupplung |
| Typ | Pol.-zahl | Teile-Nr. | Bezeichnung |

Flat Connectors 4.8 mm

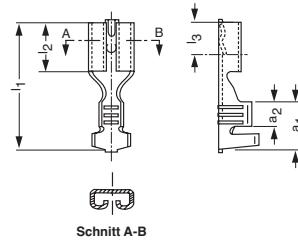
Flachstecktechnik 4,8 mm



Receptacles
for tab width **4.8 mm**
DIN 46247 and similar types

Flachsteckhülsen
für Steckerbreite **4,8 mm**
DIN 46247 und ähnliche Ausführungen

Type 1



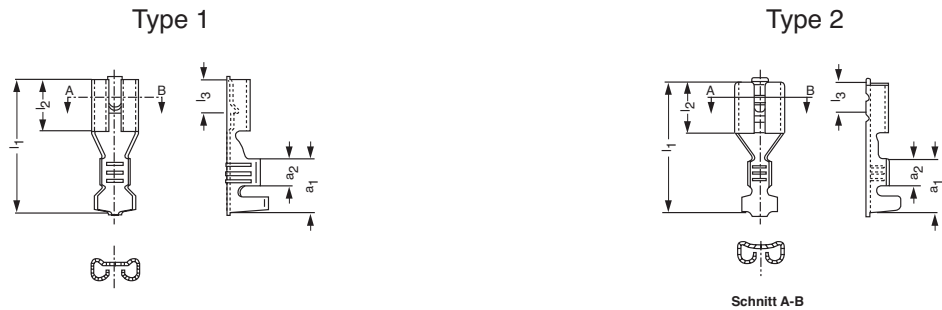
| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Mat-erial thickness | Notch | Form E=single B=chain | Part number | Material | Surface | Ter- minal feed | Foot- note |
|------|-------------------------|---------------|---------------|--------------|--------------|------|------|-------|------|------|---------------------|-------------|---------------------------------|---|--|----------------------------|------------------|------------|
| 1 | 1.5 - 2.5 | 0.80 | 4.80 | 46247 Teil 2 | 4.8 - 2.5 | 6.00 | 3.40 | 15.60 | 6.00 | 3.80 | 0.35 | X | B B B B | 25312.123.204 25312.123.211 25312.213.011 25312.417.328 | CuZn CuZn CuSn Stahl | Sn Sn Ni | L | *1 |
| 1 | 0.5-1.0 | 0.80 | 4.80 | 46247 Teil 2 | 4.8 - 1 | 6.00 | 3.40 | 15.60 | 6.00 | 3.80 | 0.35 | X | B B B B B B B | 25313.123.204 25313.123.211 25313.213.004 25313.213.011 25313.213.042 25313.417.031 25313.417.328 | CuZn CuZn CuSn CuSn CuSn Stahl Stahl | Sn Sn Ag Ni Ni | L | *1 |
| 1 | 0.5-1.0 | 0.50 | 4.80 | | | 6.00 | 3.40 | 15.60 | 6.00 | 3.80 | 0.35 | X | B B B | 25314.123.204 25314.123.211 25314.417.031 | CuZn CuZn Stahl | Sn Ni | L | |
| 1 | 1.5 - 2.5 | 0.50 | 4.80 | | | 6.00 | 3.40 | 15.60 | 6.00 | 3.80 | 0.35 | X | B | 25315.123.211 | CuZn | Sn | L | |
| 1 | 0.5-1.0 | 0.40 | 4.80 | | | 6.00 | 3.40 | 15.60 | 6.00 | 3.80 | 0.35 | X | B | 25652.123.204 | CuZn | | L | |
| Typ | Nenn- quer- schnitt qmm | Steck- dicke | Steck- breite | DIN | Nenn- gröÙe | a1 | a2 | l1 | l2 | l3 | Mat- dicke | Rast- punkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb- vor- schub | Fuß- note |

*1 With intermediate layer paper

*1 Mit Paplerzwischenlage

Receptacles for tab width 4,8 mm

Flachsteckhülsen für Steckerbreite 4,8 mm



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Notch | Form E=Single B=chain | Part number | Material | Surface | Terminal feed | Footnote |
|------|------------------------|---------------|-------------|------|------|-------|------|------|--------------------|-----------|-----------------------|---------------|-----------|------------|---------------------|----------|
| 2 | 0.5 - 1.0 | 0.80 | 4.80 | 6.00 | 3.40 | 15.60 | 6.00 | 3.80 | 0.35 | X | B | 22313.123.204 | CuZn | | L | *2 |
| 1 | 0.5 - 1.0 | 0.80 | 4.80 | 6.00 | 3.40 | 15.60 | 6.00 | 3.60 | 0.35 | | B | 25813.213.011 | CuSn | Sn | L | *1 |
| 1 | 1.5 - 2.5 | 0.80 | 4.80 | 6.00 | 3.40 | 15.60 | 6.00 | 3.60 | 0.35 | | B | 25814.213.011 | CuSn | Sn | L | *1 |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | l3 | Mat. - dicke | Rastpunkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb. - vor - schub | Fußnote |

*1 With permanent locking

*2 Reduced insertion force

*1 Mit Festverriegelung

*2 Steckkraftreduziert

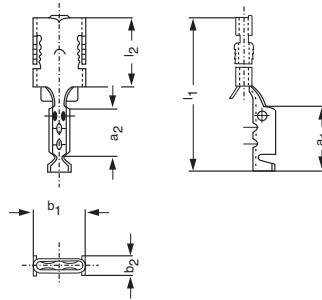
Receptacles

Stator connecting terminals

Flachsteckhülsen

Motoranschlußtechnik

Type 1



| Type | Solid wire diameter mm | Tab thickness | Tab width | a1 | a2 | b1 | b2 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|-------------|------|------|------|------|-------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|-----------|
| 1 | 0.65 - 1.06 | 0.80 | 4.80 | 7.20 | 5.30 | 5.60 | 2.15 | 17.40 | 7.40 | 0.30 | B | 25007.123.178 | CuZn | Sn | NQ | |
| 1 | 0.65 - 1.06 | 0.80 | 4.80 | 7.20 | 5.30 | 5.60 | 2.15 | 17.40 | 7.40 | 0.30 | B | 25156.123.178 | CuZn | Sn | NQ | *1 |
| 1 | 0.8 - 1.2 | 0.50 | 4.80 | 7.20 | 5.30 | 5.60 | 2.15 | 17.40 | 7.40 | 0.30 | B | 25718.213.178 | CuSn | Sn | NQ | |
| 1 | 0.65 - 1.06 | 0.50 | 4.80 | 7.20 | 5.30 | 5.60 | 2.15 | 17.40 | 7.40 | 0.30 | B | 26554.123.178 | CuZn | Sn | NQ | |
| 1 | 0.65 - 1.06 | 0.50 | 4.80 | 7.20 | 5.30 | 5.60 | 2.15 | 17.40 | 7.40 | 0.30 | B | 26555.123.178 | CuZn | Sn | NQ | *1 |
| Typ | Solid wire diameter mm | Steckdicke | Steckbreite | a1 | a2 | b1 | b2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

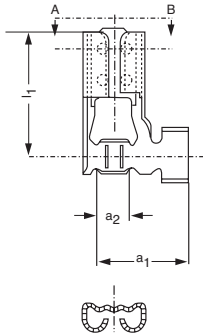
*1 Side way feed right

*1 Einlauf der Kontakte in das Crimpwerkzeug von rechts

Receptacles for tab width 4,8 mm flag type

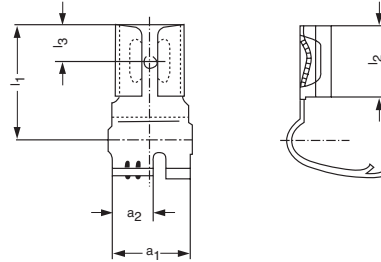
Flachsteckhülsen für Steckerbreite 4,8 mm mit seitlichem Leiteranschluß

Type 1



Schnitt A - B

Type 2



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Notch | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|--------------|------|------|-------|------|------|--------------------|------------|-----------------------|---|----------------------|------------|-----------------|----------------|
| 2 | 0.5 - 1.5 | 0.80 | 4.80 | 6.50 | 3.50 | 9.50 | 6.30 | 3.00 | 0.40 | X | B | 22062.123.178 | CuZn | Sn | L | |
| 1 | 1.5 | 0.80 | 4.80 | 8.30 | 3.00 | 11.30 | 6.00 | 3.80 | 0.35 | X | B | 25123.213.011 | CuSn | Sn | SQ | *3 |
| 1 | 0.5 - 1 | 0.80 | 4.80 | 8.30 | 3.00 | 11.30 | 6.00 | 3.80 | 0.35 | X | B | 25161.123.204 25161.213.009 | CuZn CuSn | | SQ | *2 *2 |
| 1 | 0.5 - 1 | 0.50 | 4.80 | 8.30 | 3.00 | 11.30 | 6.00 | 3.80 | 0.35 | X | B | 25556.123.204 | CuZn | | SQ | *1 |
| 1 | 0.5 - 1 | 0.80 | 4.80 | 8.30 | 3.00 | 11.30 | 6.00 | 3.80 | 0.35 | X | B | 25557.123.204 25557.123.211 25557.213.009 | CuZn CuZn CuSn | Sn | SQ | *1 *1 *1 |
| 1 | 0.5 - 1 | 0.50 | 4.80 | 8.30 | 3.00 | 11.30 | 6.00 | 3.80 | 0.35 | X | B | 25635.123.204 | CuZn | | SQ | *2 |
| 1 | 1.5 | 0.80 | 4.80 | 8.30 | 3.00 | 11.30 | 6.00 | 3.80 | 0.35 | X | B | 26340.213.011 | CuSn | Sn | SQ | *4 |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | a1 | a2 | l1 | l2 | l3 | Mat-dicke | Rast-punkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

*1 Side way feed right

*2 Side way feed left

*3 Side way feed left, special wire

*4 Side way feed right, special wire

*1 Einlauf der Kontakte in das Crimpwerkzeug von rechts

*2 Einlauf der Kontakte in das Crimpwerkzeug von links

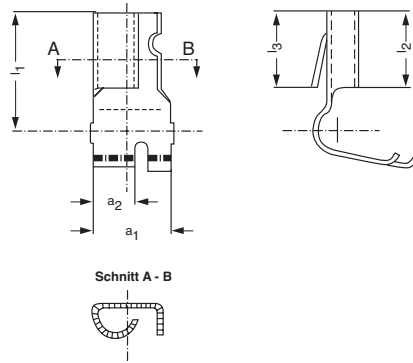
*3 Einlauf der Kontakte in das Crimpwerkzeug von links, Sonderleitung

*4 Einlauf der Kontakte in das Crimpwerkzeug von rechts, Sonderleitung

Receptacles
for tab width **4.8 mm**
to engage in housings
flag type

Flachsteckhülsen
für Steckerbreite **4,8 mm**
zum Einrasten in Gehäuse
mit seitlichem Leiteranschluß

Type 1

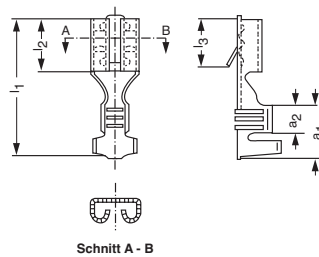


| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|------|------|------|--------------------|-----------------------|--|--------------|------------|-----------------|
| 1 | 0.5 - 1.5 | 0.80 | 4.80 | 6.50 | 3.50 | 9.50 | 6.00 | 5.50 | 0.44 | B B | 26481.123.211 26481.221.011 | CuZn CuSn | Sn Sn | L |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Receptacles
for tab width **4.8 mm**
to engage in housings

Flachsteckhülsen
für Steckerbreite **4,8 mm**
zum Einrasten in Gehäuse

Type 1

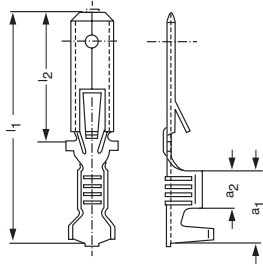


| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|-------|------|------|--------------------|-----------------------|--|------------------------------|----------------------|-----------------|
| 1 | 1.5 - 2.5 | 0.80 | 4.80 | 6.00 | 3.40 | 15.60 | 6.00 | 5.50 | 0.30 | E | 06312.123.204 | CuZn | | |
| 1 | 0.5 - 1.0 | 0.80 | 4.80 | 6.00 | 3.40 | 15.60 | 6.00 | 5.50 | 0.30 | E | 06313.123.211 | CuZn | Sn | |
| 1 | 0.5 - 1.5 | 0.80 | 4.80 | 6.00 | 3.40 | 15.60 | 6.00 | 5.50 | 0.30 | B B | 26312.123.211 26312.213.011 | CuZn CuSn | Sn Sn | L |
| 1 | 0.5 - 1.0 | 0.80 | 4.80 | 6.00 | 3.40 | 15.60 | 6.00 | 5.50 | 0.30 | B B B B | 26313.123.204 26313.123.211 26313.213.011 26313.213.042 | CuZn CuZn CuSn CuSn | Sn Sn Sn Ag | L |
| 1 | 0.5 - 1.0 | 0.80 | 4.80 | 6.00 | 3.40 | 15.60 | 6.00 | 5.50 | 0.30 | B | 26314.123.211 | CuZn | Sn | L |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

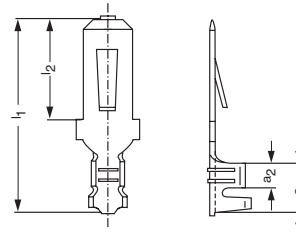
Tabs
with tab width **4,8 mm**
to engage in housings
DIN 46343 and similar types

Flachstecker
mit Steckerbreite **4,8 mm**
zum Einrasten in Gehäuse
DIN 46343 und ähnliche Ausführungen

Type 1



Type 2



| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|--------------|---------------------|--------------|------|------|-------|-------|--------------------|-----------------------|----------------------|-----------|------------|----------------|-----------|
| 2 | 0.5 -1.0 | 0.50 | 4.80 | | | 5.00 | 2.50 | 19.00 | 10.00 | 0.50 | B | 25352.123.111 | CuZn | Sn | SQ | |
| 1 | 0.5 -1.0 | 0.80 | 4.80 | 46343 Teil 2 Form B | 4.8 - 1 | 8.50 | 4.50 | 27.00 | 15.00 | 0.38 | B | 26015.123.178 | CuZn | Sn | NQ | |
| 1 | 1.5 - 2.5 | 0.80 | 4.80 | 46343 Teil 2 Form B | 4.8 - 2.5 | 8.50 | 4.50 | 27.00 | 15.00 | 0.38 | B | 26016.123.178 | CuZn | Sn | NQ | |
| 1 | 0.5 -1.0 | 0.80 | 4.80 | 46343 Teil 2 Form A | 4.8 - 1 | 8.50 | 4.50 | 27.00 | 15.00 | 0.38 | B | 26906.123.178 | CuZn | Sn | NQ | *1 |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | DIN standard | Nenn-größe | a1 | a2 | l1 | l2 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb-vor-schub | Fuß-note |

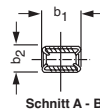
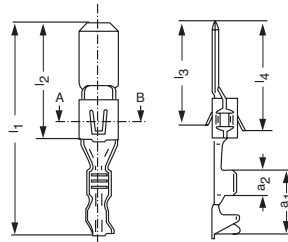
*1 Tab without hole

*1 Steckzunge ohne Bohrung

Tabs
with tab width 4,8 mm
to engage in housings

Flachstecker
mit Steckerbreite 4,8 mm
zum Einrasten in Gehäuse

Type 1

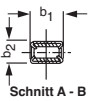
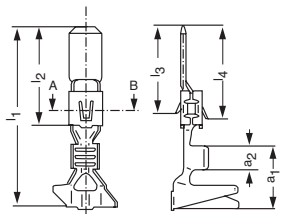


| Type | Wire cross section qmm | Insulation diameter | Tab thickness | Tab width | a1 | a2 | b1 | b2 | I1 | I2 | I3 | I4 | Material thickness | Steel spring | Form E=Single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------------|---------------|-------------|------|------|------|------|-------|-------|-------|-------|--------------------|--------------|-----------------------|----------------------|-----------|------------|-----------------|
| 1 | 0.5 - 1.0 | 1.4 - 2.0 | 0.80 | 4.80 | 8.00 | 3.00 | 5.05 | 3.24 | 26.90 | 15.00 | 12.60 | 13.50 | 0.38 | X | B | 26258.331.178 | CuFe2P | Sn | NQ |
| 1 | 1.5 - 2.5 | 2.1 - 2.9 | 0.80 | 4.80 | 8.90 | 3.50 | 5.05 | 3.24 | 26.90 | 15.00 | 12.60 | 13.50 | 0.38 | X | B | 26260.331.178 | CuFe2P | Sn | NQ |
| Typ | Nennquerschnitt qmm | Isol-Ø | Steckdicke | Steckbreite | a1 | a2 | b1 | b2 | I1 | I2 | I3 | I4 | Mat.-dicke | Stahlfeder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Tabs PLUS
to engage in housings
for splash-proof version

Flachstecker PLUS
zum Einrasten in Gehäuse
für spritzwassergeschützten Einsatz

Type 1



| Type | Wire cross section qmm | Insulation diameter | Tab thickness | Tab width | a1 | a2 | b1 | b2 | I1 | I2 | I3 | I4 | Material thickness | Steel spring | Form E=Single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------------|---------------|-------------|------|------|------|------|-------|-------|-------|-------|--------------------|--------------|-----------------------|----------------------|-----------|------------|-----------------|
| 1 | 0.5 - 1.0 | 1.4 - 2.0 | 0.80 | 4.80 | 8.80 | 3.00 | 5.05 | 3.24 | 26.90 | 15.00 | 12.60 | 13.50 | 0.38 | X | B | 26259.331.178 | CuFe2P | Sn | NQ |
| Typ | Nennquerschnitt qmm | Isol-Ø | Steckdicke | Steckbreite | a1 | a2 | b1 | b2 | I1 | I2 | I3 | I4 | Mat.-dicke | Stahlfeder | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Tabs PLUS

to engage in housings
for splash-proof version

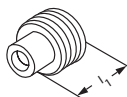
Flachstecker PLUS

zum Einrasten in Gehäuse
für spritzwassergeschützten Einsatz

Single wire seals

Seals (Einzelleitungsdichtungen)

Type 1



| Type | Insulation diameter | Hole diameter | l1 | Part number | Specification | Material | Foot-note |
|------|---------------------|---------------|------|----------------------|------------------------|-----------|-----------|
| 1 | 3.4 - 4.4 | 8.20 | 7.50 | 16259.627.646 | Einzelleitungsdichtung | VMQ | |
| 1 | 1.9 - 3 | 8.20 | 7.50 | 16278.627.694 | Einzelleitungsdichtung | VMQ | *1 |
| 1 | 1.9 - 3 | 8.20 | 7.50 | 16696.627.694 | Einzelleitungsdichtung | VMQ | |
| Typ | Isol.- Ø | Bohr.- Ø | l1 | Teile-Nr. | Bezeichnung | Werkstoff | Fuß-note |

*1 Safety part

*1 Dokumentationspflichtiges Teil

Seal determination to the contacts and wires

Determination of the seal depending on the thickness of the insulation of the wire (e.g. according to DIN 72551, part 6).

Zuordnung der Seals zu Kontakten und Leitungen

Die Wahl des Seals hängt von der Dicke der Isolierhülle der Leitungen ab (z.B. gemäß DIN 72551, Teil 6).

| Hole diameter of cavity | Wire diameter mm | Wire cross section qmm | Type of lead | Part number | Foot-note | Terminal |
|-------------------------------|------------------|----------------------------------|--------------|----------------------|--------------|--|
| 8.20 | 1.9 - 3.0 | 0.5 - 1.5 | FLY | 16696.627.694 | | Flachstecker PLUS Steckerbreite 4.8 mm |
| | | 1.0 - 2.5 | FLRY | 16278.627.694 | *1 | |
| | 3.4 - 4.4 | 2.5 - 4.0 | FLY | 16259.627.646 | | |
| | | 4.0 - 6.0 | FLRY | | | |
| Bohr.- Ø Geh- Kammer | Leitungs-Ø mm | Nenn- quer- schnitt qmm | Leit- art | Teile-Nr. | Fuß- note | Verbindertyp |

*1 Safety part

*1 Dokumentationspflichtiges Teil

Tabs

with tab width **4.8 mm**

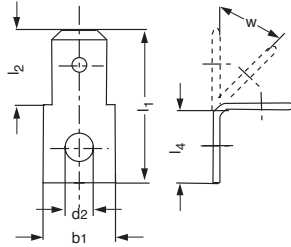
DIN 46342 and similar types
Dimensions in the tab sector DIN 46244 part 1

Flachstecker

mit Steckerbreite **4,8 mm**

DIN 46342 und ähnliche Ausführungen
Maße im Steckbereich DIN 46244 Teil 1

Type 1



| Type | Tab thickness | Tab width | DIN standard | Nominal size | b1 | d2 | l1 | l2 | l4 | w° | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|---------------|-------------|---------------------------|--------------|------|------|-------|------|------|----|--------------------|-----------------------|---------------|-----------|------------|
| 1 | 0.80 | 4.80 | | | 6.50 | 4.30 | 17.50 | 7.00 | 7.50 | 45 | 0.80 | E | 17314.123.011 | CuZn | Sn |
| 1 | 0.80 | 4.80 | 46342 Teil 1 Form C | 4.8 - 0.8 | 6.50 | 3.20 | 17.50 | 7.00 | 7.50 | 90 | 0.80 | E | 17318.123.031 | CuZn | Ni |
| Typ | Steckdicke | Steckbreite | DIN | Nenngröße | b1 | d2 | l1 | l2 | l4 | w° | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

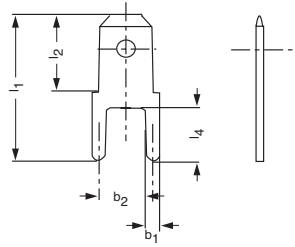
Tabs

with tab width **4.8 mm**
for soldering into PC boards
Dimensions in the tab sector DIN 46244 part 1

Flachstecker

mit Steckerbreite **4,8 mm**
zum Einlöten in Leiterplatten
Maße im Steckbereich DIN 46244 Teil 1

Type 1

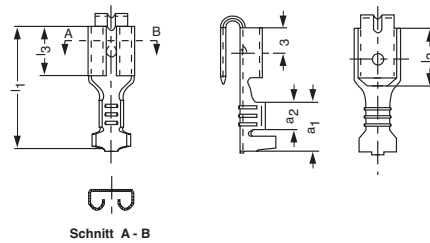


| Type | Tab thickness | Tab width | b1 | b2 | l1 | l2 | l4 | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|------|-------|------|------|--------------------|-----------------------|---------------|-----------|------------|
| 1 | 0.80 | 4.80 | 1.20 | 5.00 | 13.50 | 7.00 | 5.00 | 0.80 | E | 17094.123.025 | CuZn | Sn |
| Typ | Steckdicke | Steckbreite | b1 | b2 | l1 | l2 | l4 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Multiple tabs with/for tab width 4.8 mm

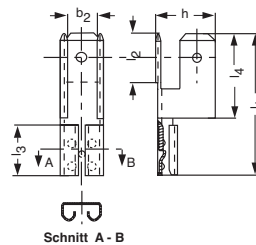
Steckverteiler mit/für Steckerbreite 4,8 mm

Type 1



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Notch | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|---------------|--------------|------|------|-------|------|------|--------------------|------------|-----------------------|--|--------------|------------|-----------------|
| 1 | 0.5 - 1.0 | 0.80 | 4.80 | 6.00 | 3.40 | 15.60 | 7.00 | 6.00 | 0.38 | X | B B | 25139.123.009 25139.123.178 | CuZn CuZn | Sn Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | a1 | a2 | l1 | l2 | l3 | Mat-dicke | Rast-punkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1

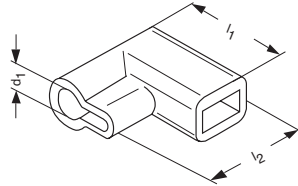


| Type | Tab thickness | Tab width | b2 | h | l1 | l2 | l3 | l4 | Material thickness | Notch | Form E=Single B=chain | Part number | Material | Surface |
|------|---------------|--------------|------|------|-------|------|------|-------|--------------------|------------|-----------------------|----------------------|-----------|------------|
| 1 | 0.80 | 4.80 | 4.20 | 8.40 | 20.00 | 7.00 | 7.00 | 12.00 | 0.38 | X | E | 17050.123.211 | CuZn | Sn |
| Typ | Steck-dicke | Steck-breite | b2 | h | l1 | l2 | l3 | l4 | Mat-dicke | Rast-punkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Housings
for receptacles
with tab width **4.8 mm**

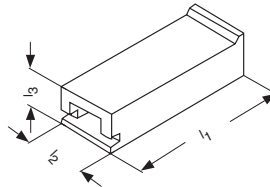
Isoliertüllen
für Flachsteckhülsen
mit Steckerbreite **4,8 mm**

Type 1



| Type | No. of ways | d1 | l1 | l2 | Part number | Specification | Material | Colour |
|------|-------------|------|-------|-------|----------------------|---------------|-----------|---------|
| 1 | 1 | 4.00 | 15.00 | 15.00 | 16323.502.500 | Isoliertülle | PVC-P | farblos |
| Typ | Pol-zahl | d1 | l1 | l2 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Type 1

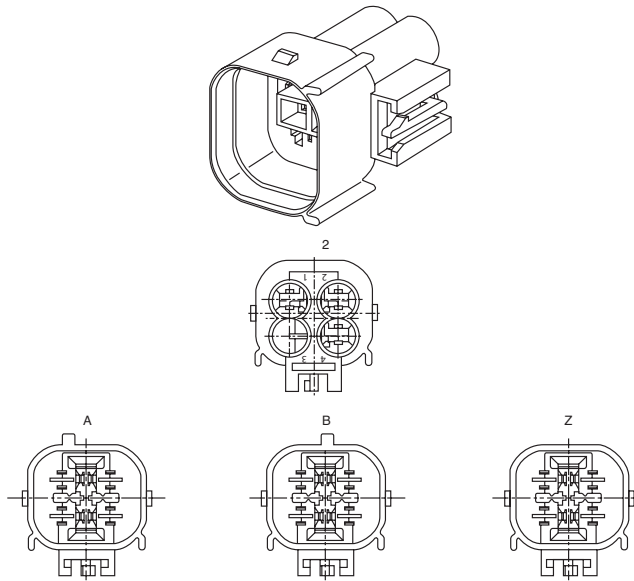


| Type | No. of ways | l1 | l2 | l3 | Part number | Specification | Material | Colour |
|------|-------------|-------|------|------|----------------------|------------------|-----------|--------|
| 1 | 1 | 20.00 | 7.30 | 4.80 | 14544.562.501 | FS 4,8 - Gehäuse | PA66 | natur |
| Typ | Pol-zahl | l1 | l2 | l3 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Housings
for tab width **4.8 mm**
for splash-proof application

Gehäuse
für Flachstecker
mit Steckerbreite **4,8 mm**
für spritzwassergeschützten Einsatz

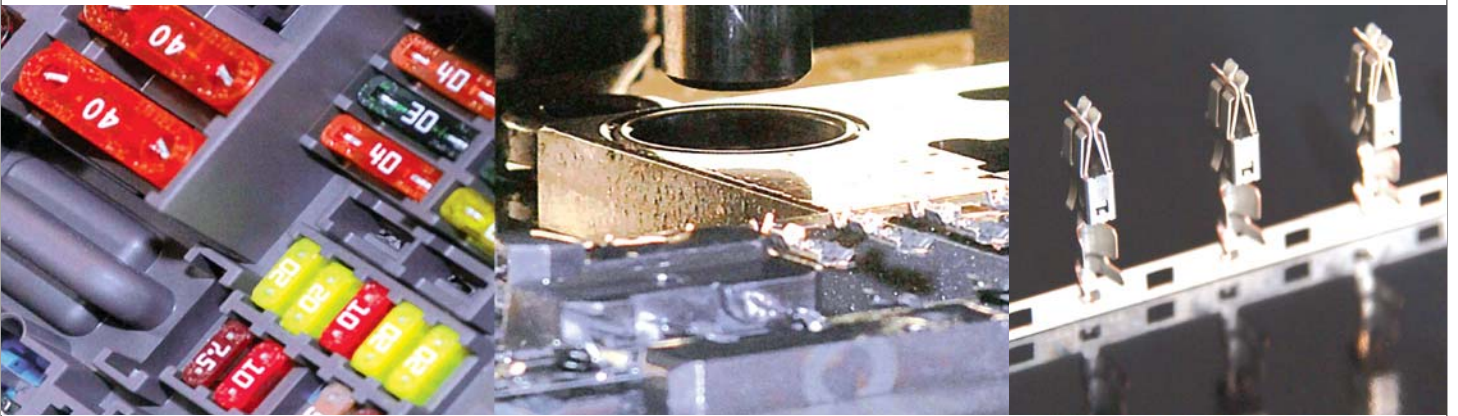
Type 1



| Type | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|--------------|-----------|----------------------|--|------------|----------------------------|
| 1 | 3 | 2-Z | 18251.000.000 | FS 4,8 PLUS - Gehäuse Gehäuse Schieber | PBT PBT | tiefschwarz türkisblau |
| 1 | 3 | 2-A | 18324.000.000 | FS 4,8 PLUS - Gehäuse Gehäuse Schieber | PBT PBT | tiefschwarz tiefschwarz |
| 1 | 3 | 2-B | 18325.000.000 | FS 4,8 PLUS - Gehäuse Gehäuse Schieber | PBT PBT | tiefschwarz föhgrau |
| Typ | Pol- zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

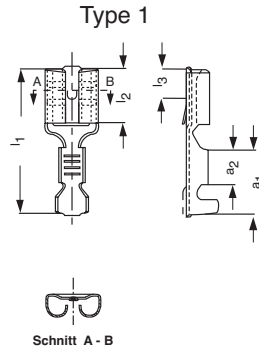
Flat Connectors 6.3 mm

Flachstecktechnik 6,3 mm



Receptacles
for tab width **6.3 mm**
DIN 46247 and similar types

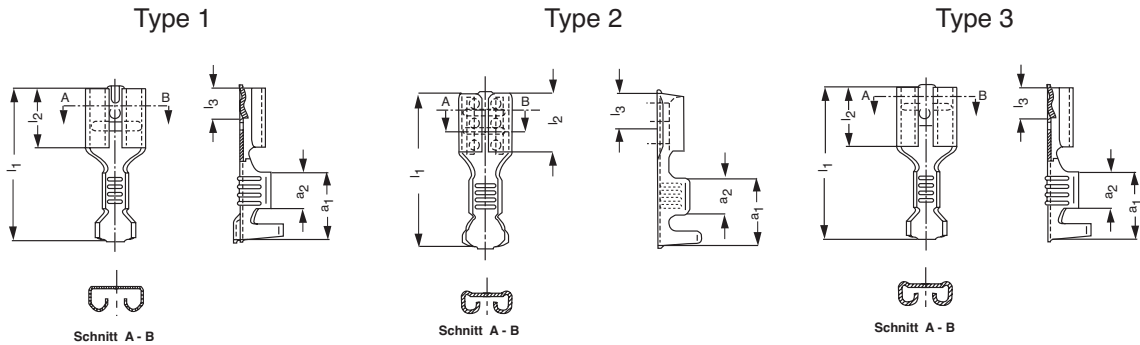
Flachsteckhülsen
für Steckerbreite **6,3 mm**
DIN 46247 und ähnliche Ausführungen



| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | I1 | I2 | I3 | Material thickness | Notch | Form E=Single B=chain | Part number | Material | Surface | Terminal feed | | | | |
|------|------------------------|---------------|-------------|--------------|--------------|------|------|-------|------|------|--------------------|-----------|-----------------------|---------------|-----------|------------|---------------|------|-------|-------|-------|
| 1 | 0.5 - 1.0 | 0.80 | 6.30 | 46247 Teil 3 | 6.3 - 1 | 8.50 | 4.50 | 19.20 | 7.40 | 4.00 | 0.44 | X | B | 25722.123.204 | CuZn | Sn | L | | | | |
| | | | | | | | | | | | | | B | 25722.123.211 | | | | CuZn | | | |
| | | | | | | | | | | | | | B | 25722.123.242 | | | | | Ag | | |
| | | | | | | | | | | | | | B | 25722.201.004 | | | | | | CuSn | |
| | | | | | | | | | | | | | B | 25722.201.011 | | | | | | | Sn |
| | | | | | | | | | | | | | B | 25722.201.042 | | | | | | | |
| B | 25722.417.031 | Stahl | Ni | | | | | | | | | | | | | | | | | | |
| 1 | 1.5 - 2.5 | 0.80 | 6.30 | 46247 Teil 3 | 6.3 - 2.5 | 8.50 | 4.50 | 19.20 | 7.40 | 4.00 | 0.44 | X | B | 25733.123.204 | CuZn | Sn | L | | | | |
| | | | | | | | | | | | | | B | 25733.123.211 | | | | CuZn | | | |
| | | | | | | | | | | | | | B | 25733.123.242 | | | | | Ag | | |
| | | | | | | | | | | | | | B | 25733.201.004 | | | | | | CuSn | |
| | | | | | | | | | | | | | B | 25733.201.011 | | | | | | | Sn |
| | | | | | | | | | | | | | B | 25733.201.042 | | | | | | | |
| B | 25733.417.031 | Stahl | Ni | | | | | | | | | | | | | | | | | | |
| 1 | 2.5 - 4.0 | 0.80 | 6.30 | 46247 Teil 3 | 6.3 - 4 | 8.50 | 4.50 | 19.20 | 7.40 | 4.00 | 0.44 | X | B | 25737.123.211 | CuZn | Sn | L | | | | |
| | | | | | | | | | | | | | B | 25737.123.242 | | | | CuZn | | | |
| | | | | | | | | | | | | | B | 25737.201.011 | | | | | CuSn | | |
| | | | | | | | | | | | | | B | 25737.417.031 | | | | | | Stahl | Ni |
| 1 | 4.00 - 6.00 | 0.80 | 6.30 | 46247 Teil 3 | 6.3 - 6 | 8.50 | 4.50 | 19.20 | 7.40 | 4.00 | 0.44 | X | B | 25744.123.204 | CuZn | Sn | L | | | | |
| | | | | | | | | | | | | | B | 25744.123.211 | | | | CuZn | | | |
| | | | | | | | | | | | | | B | 25744.123.242 | | | | | Ag | | |
| | | | | | | | | | | | | | B | 25744.201.004 | | | | | | CuSn | |
| | | | | | | | | | | | | | B | 25744.201.011 | | | | | | | Sn |
| | | | | | | | | | | | | | B | 25744.201.042 | | | | | | | |
| B | 25744.417.031 | Stahl | Ni | | | | | | | | | | | | | | | | | | |
| 1 | 0.5 - 1.0 | 0.80 | 6.30 | | | 8.50 | 4.50 | 19.20 | 7.40 | 4.00 | 0.38 | X | B | 25833.123.204 | CuZn | Sn | L | | | | |
| | | | | | | | | | | | | | B | 25833.123.211 | | | | CuZn | | | |
| | | | | | | | | | | | | | B | 25833.201.004 | | | | | CuSn | | |
| | | | | | | | | | | | | | B | 25833.201.011 | | | | | | CuSn | |
| | | | | | | | | | | | | | B | 25833.417.031 | | | | | | | Stahl |
| 1 | 1.5 - 2.5 | 0.80 | 6.30 | | | 8.50 | 4.50 | 19.20 | 7.40 | 4.00 | 0.38 | X | B | 25840.123.204 | CuZn | Sn | L | | | | |
| | | | | | | | | | | | | | B | 25840.123.211 | | | | CuZn | | | |
| | | | | | | | | | | | | | B | 25840.201.011 | | | | | CuSn | | |
| | | | | | | | | | | | | | B | 25840.417.031 | | | | | | Stahl | Ni |
| 1 | 2.5 - 4.0 | 0.80 | 6.30 | | | 8.50 | 4.50 | 19.20 | 7.40 | 4.00 | 0.38 | X | B | 25883.201.011 | CuSn | Sn | L | | | | |
| 1 | 4.00 - 6.00 | 0.80 | 6.30 | | | 8.50 | 4.50 | 19.20 | 7.40 | 4.00 | 0.38 | X | B | 25886.123.211 | CuZn | Sn | L | | | | |
| | | | | | | | | | | | | | B | 25886.201.011 | | | | CuSn | | | |
| | | | | | | | | | | | | | B | 25886.417.031 | | | | | Stahl | | |
| | | | | | | | | | | | | | | | | | | | | Ni | |
| 1 | 0.75 - 1.5 | 0.80 | 6.30 | 46247 Teil 3 | 6.3 - 1.5 | 8.50 | 4.50 | 19.20 | 7.40 | 4.00 | 0.44 | X | B | 28110.123.204 | CuZn | Sn | L | | | | |
| | | | | | | | | | | | | | B | 28110.123.211 | | | | CuZn | | | |
| | | | | | | | | | | | | | B | 28110.123.242 | | | | | Ag | | |
| | | | | | | | | | | | | | B | 28110.201.004 | | | | | | CuSn | |
| | | | | | | | | | | | | | B | 28110.201.011 | | | | | | | Sn |
| | | | | | | | | | | | | | B | 28110.201.042 | | | | | | | |
| B | 28110.417.031 | Stahl | Ni | | | | | | | | | | | | | | | | | | |
| Type | Nennquerschnitt qmm | Steckdicke | Steckbreite | DIN | Nenngröße | a1 | a2 | I1 | I2 | I3 | Mat.-dicke | Rastpunkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vorschub | | | | |

Receptacles
for tab width **6.3 mm**
DIN 46247 and similar types

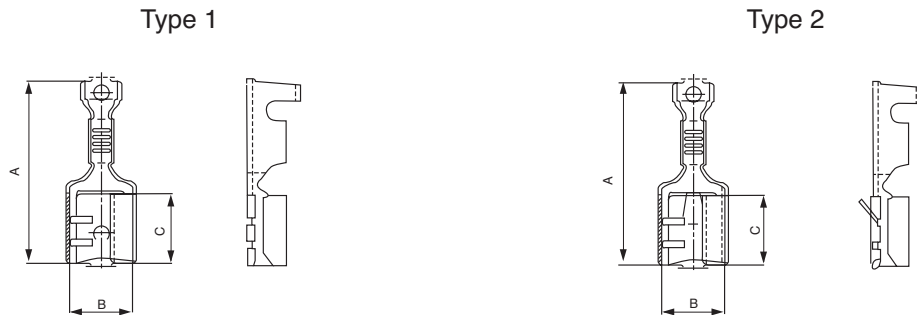
Flachsteckhülsen
für Steckerbreite **6,3 mm**
DIN 46247 und ähnliche Ausführungen



| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Mat-erial thickness | Notch | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|--------------|--------------|--------------|------|------|-------|------|------|---------------------|------------|-----------------------|--|--------------|------------|-----------------|-----------|
| 1 | 0.5 -1.0 (1.2) | 0.80 | 6.30 | 46247 Teil 3 | 6.3 - 1.0 | 8.50 | 4.50 | 19.20 | 7.40 | 4.00 | 0.45 | X | B | 25740.123.204 | CuZn | | L | |
| 3 | 0.5 -1.0 | 0.80 | 6.30 | | | 8.50 | 4.50 | 19.20 | 7.40 | 4.20 | 0.41 | | B | 25815.213.004 25815.213.011 | CuSn CuSn | Sn | L | *1 *1 |
| 3 | 1.5 - 2.5 | 0.80 | 6.30 | | | 8.50 | 4.50 | 19.20 | 7.40 | 4.20 | 0.41 | | B | 25816.213.011 | CuSn | Sn | L | *1 |
| 2 | 1.5 - 2.5 | 0.80 | 6.30 | | | 8.50 | 4.50 | 19.20 | 7.40 | | 0.32 | | B | 26833.123.211 | CuZn | Sn | L | |
| 2 | 0.5 - 1.0 | 0.80 | 6.30 | | | 8.50 | 4.50 | 19.20 | 7.40 | | 0.32 | | B | 26834.123.211 | CuZn | Sn | L | |
| 2 | 0.5 -1.0 (0.3) | 0.70 | 6.30 | 46247 Teil 3 | 6.3 - 1.0 | 8.50 | 4.50 | 19.20 | 7.40 | 4.00 | 0.38 | X | B | 26916.123.211 | CuZn | Sn | L | |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | DIN | Nenn-größe | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Rast-punkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

*1 With permanent locking

*1 Mit Festverriegelung

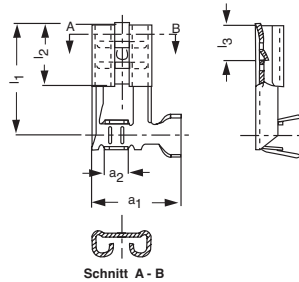


| Type | Wire cross section qmm | Tab thickness | Tab width | A | B | C | Mat-erial thickness | Notch | Form E=single B=chain | Part number | Specification | Material | Surface | Terminal feed |
|------|------------------------|---------------|--------------|------|-----|-----|---------------------|------------|-----------------------|----------------------|-----------------|-----------|------------|-----------------|
| 1 | 0.1 - 0.5 | 0.8 | 6.30 | 19.2 | 6.6 | 7.4 | 0.38 | X | B | 28111.123.211 | Flachsteckhülse | CuZn | Sn | L |
| 1 | 0.1 - 0.5 | 0.8 | 6.30 | 19.2 | 6.6 | 7.4 | 0.38 | X | B | 28111.201.011 | Flachsteckhülse | CuSn | Sn | L |
| 2 | 0.1 - 0.5 | 0.8 | 6.30 | 19.2 | 6.6 | 7.4 | 0.38 | | B | 28112.201.004 | Flachsteckhülse | CuSn | | L |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | A | B | C | Mat.-dicke | Rast-punkt | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

Receptacles
for tab width **6.3 mm**
flag type
DIN 46346 and similar types

Flachsteckhülsen
für Steckerbreite **6,3 mm**
mit seitlichem Leiteranschluß
DIN 46346 und ähnliche Ausführungen

Type 1



| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Mat-erial thickness | Notch | Form E=single B=chain | Part number | Material | Surface | Ter-minal feed | Foot-note |
|------|------------------------|---------------|--------------|--------------|--------------|-------|------|-------|------|------|---------------------|------------|-----------------------|---------------|-----------|------------|-----------------|-----------|
| 1 | 0.5 - 1.0 | 0.80 | 6.30 | | | 11.00 | 3.50 | 12.50 | 7.40 | 4.00 | 0.38 | | B | 25350.123.211 | CuZn | Sn | | |
| 1 | 1.5 - 2.5 | 0.80 | 6.30 | 46346 Form A | 6.3 - 2.5 | 11.00 | 3.50 | 19.20 | 7.40 | 4.00 | 0.38 | X | B | 25431.123.204 | CuZn | | SQ | *1 |
| | | | | | | | | | | | | | B | 25431.213.004 | CuSn | | | *1 |
| | | | | | | | | | | | | | B | 25431.213.011 | CuSn | Sn | | *1 |
| | | | | | | | | | | | | | B | 25431.213.042 | CuSn | Ag | | *1 |
| 1 | 1.5 - 2.5 | 0.80 | 6.30 | 46346 Form A | 6.3 - 2.5 | 11.00 | 3.50 | 12.20 | 7.40 | 4.00 | 0.38 | X | B | 25505.123.204 | CuZn | | SQ | *1 |
| | | | | | | | | | | | | | B | 25505.123.211 | CuZn | Sn | | *1 |
| | | | | | | | | | | | | | B | 25505.213.004 | CuSn | | | *1 |
| | | | | | | | | | | | | | B | 25505.213.011 | CuSn | Sn | | *1 |
| | | | | | | | | | | | | | B | 25505.213.042 | CuSn | Ag | | *1 |
| B | 25505.417.031 | Stahl | Ni | | *1 | | | | | | | | | | | | | |
| 1 | 1.5 - 2.5 | 0.80 | 6.30 | | | 11.00 | 3.50 | 13.70 | 7.40 | | 0.38 | | B | 25661.123.211 | CuZn | Sn | | NQ |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | DIN | Nenn-größe | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Rast-punkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

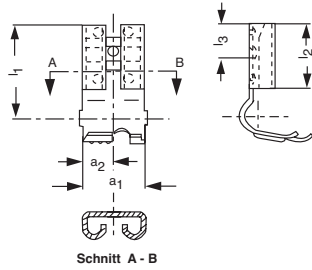
*1 With permanent locking

*1 Einlauf der Kontakte in das Crimpwerkzeug von rechts

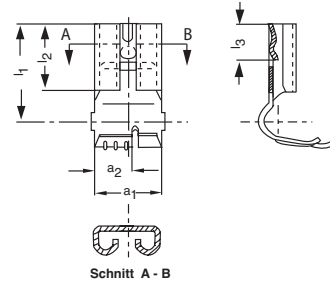
Receptacles
for tab width **6.3 mm**
flag type
DIN 46346 and similar types

Flachsteckhülsen
für Steckerbreite **6,3 mm**
mit seitlichem Leiteranschluß
DIN 46346 und ähnliche Ausführungen

Type 1



Type 2



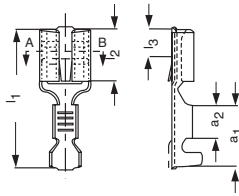
| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Mat. thickness | Notch | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|-------------|--------------|--------------|------|------|-------|------|------|----------------|-----------|-----------------------|----------------------|----------------|------------|-----------------|-----------|
| 2 | 0.5 - 1.5 | 0.80 | 6.30 | 46346 Form B | 6.3 - 1.5 | 7.50 | 4.00 | 11.00 | 7.40 | 4.00 | 0.45 | X | B | 25039.123.204 | CuZn | Sn | L | *1 |
| | | | | | | | | | | | | | B | 25039.123.211 | CuZn | | | *1 |
| | | | | | | | | | | | | | B | 25039.213.004 | CuSn | | | *1 |
| | | | | | | | | | | | | | B | 25039.213.011 | CuSn | | | *1 |
| | | | | | | | | | | | | | B | 25039.417.031 | ST 4 K40 RP Ni | | | *1 |
| 1 | 0.5 - 1.5 | 0.80 | 6.30 | | | 7.50 | 3.60 | 11.00 | 7.40 | 4.00 | 0.44 | X | B | 25048.123.204 | CuZn | | L | |
| 1 | 0.5 - 1.5 | 0.80 | 6.30 | | | 7.50 | 4.00 | 11.00 | 7.40 | 4.00 | 0.45 | X | B | 25319.123.204 | CuZn | Sn | L | |
| | | | | | | | | | | | | | B | 25319.123.211 | CuZn | | | |
| | | | | | | | | | | | | | B | 25319.417.031 | ST 4 K40 RP Ni | | | |
| 1 | 1.5 - 2.5 | 0.80 | 6.30 | 46346 Form B | 6.3 - 2.5 | 7.50 | 4.00 | 11.20 | 7.40 | 4.00 | 0.45 | X | B | 25785.123.204 | CuZn | Sn | L | |
| | | | | | | | | | | | | | B | 25785.213.011 | CuSn | | | |
| | | | | | | | | | | | | | B | 25785.417.031 | ST 4 K40 RP Ni | | | |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | DIN | Nenngröße | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Rastpunkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verbo-vor-schub | Fuß-note |

*1 For wire cross section 0.5 qmm and special wire please consult Lear

*1 Bei Nennquerschnitt 0,5 qmm und Einsatz von Sonderleitungen bitte Rücksprache mit Lear

Receptacles
for tab width **6,3 mm**
to engage in housings
DIN 46340

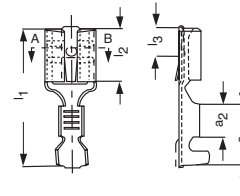
Type 1



Schnitt A - B

Flachsteckhülsen
für Steckerbreite **6,3 mm**
zum Einrasten in Gehäuse
DIN 46340

Type 2



Schnitt A - B

| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Material thickness | Notch | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|---------------|------------------------|---------------|-------------|---------------------|--------------|------|------|-------|------|------|--------------------|-----------|-----------------------|---------------|-------------|------------|-----------------|
| 1 | 0.5 - 1.0 | 0.80 | 6.3 | 46340 Teil 3 Form A | 6.3 - 1.0 | 8.50 | 4.50 | 19.20 | 7.40 | 7.00 | 0.38 | | B | 25906.123.204 | CuZn | | L |
| | | | | | | | | | | | | | | 25906.123.211 | CuZn | Sn | |
| | | | | | | | | | | | | | | 25906.123.242 | CuZn | Ag | |
| | | | | | | | | | | | | | | 25906.201.004 | CuSn | | |
| | | | | | | | | | | | | | | 25906.201.011 | CuSn | Sn | |
| | | | | | | | | | | | | | | 25906.201.042 | CuSn | Ag | |
| 1 | 1.5 - 2.5 | 0.80 | 6.3 | 46340 Teil 3 Form A | 6.3 - 2.5 | 8.50 | 4.50 | 19.20 | 7.40 | 7.00 | 0.38 | | B | 25914.123.204 | CuZn | | L |
| | | | | | | | | | | | | | | 25914.123.211 | CuZn | Sn | |
| | | | | | | | | | | | | | | 25914.123.242 | CuZn | Ag | |
| | | | | | | | | | | | | | | 25914.201.004 | CuSn | | |
| | | | | | | | | | | | | | | 25914.201.011 | CuSn | Sn | |
| | | | | | | | | | | | | | | 25914.201.042 | CuSn | Ag | |
| 1 | 2.5 - 4.0 | 0.80 | 6.3 | 46340 Teil 3 Form A | 6.3 - 4.0 | 8.50 | 4.50 | 19.20 | 7.40 | 7.00 | 0.38 | | B | 25920.123.204 | CuZn | | L |
| | | | | | | | | | | | | | | 25920.123.211 | CuZn | Sn | |
| | | | | | | | | | | | | | | 25920.201.004 | CuSn | | |
| | | | | | | | | | | | | | | 25920.201.011 | CuSn | Sn | |
| | | | | | | | | | | | | | | 25920.201.042 | CuSn | Ag | |
| | | | | | | | | | | | | | | 1 | 4.00 - 6.00 | 0.80 | |
| 25921.123.211 | CuZn | Sn | | | | | | | | | | | | | | | |
| 25921.123.242 | CuZn | Ag | | | | | | | | | | | | | | | |
| 25921.201.004 | CuSn | | | | | | | | | | | | | | | | |
| 25921.201.011 | CuSn | Sn | | | | | | | | | | | | | | | |
| 2 | 0.5 - 1.0 | 0.80 | 6.3 | 46340 Teil 3 Form B | 6.3 - 1.0 | 8.50 | 4.50 | 19.20 | 7.40 | 7.00 | 0.38 | X | B | | | | 25969.123.204 |
| | | | | | | | | | | | | | | 25969.123.211 | CuZn | Sn | |
| | | | | | | | | | | | | | | 25969.123.242 | CuZn | Ag | |
| | | | | | | | | | | | | | | 25969.201.004 | CuSn | | |
| | | | | | | | | | | | | | | 25969.201.011 | CuSn | Sn | |
| | | | | | | | | | | | | | | 25969.201.042 | CuSn | Ag | |
| 2 | 1.5 - 2.5 | 0.80 | 6.3 | 46340 Teil 3 Form B | 6.3 - 2.5 | 8.50 | 4.50 | 19.20 | 7.40 | 7.00 | 0.38 | X | B | 25985.123.204 | CuZn | | L |
| | | | | | | | | | | | | | | 25985.123.211 | CuZn | Sn | |
| | | | | | | | | | | | | | | 25985.123.242 | CuZn | Ag | |
| | | | | | | | | | | | | | | 25985.201.004 | CuSn | | |
| | | | | | | | | | | | | | | 25985.201.011 | CuSn | Sn | |
| | | | | | | | | | | | | | | 25985.201.042 | CuSn | Ag | |
| 2 | 2.5 - 4.0 | 0.80 | 6.3 | 46340 Teil 3 Form B | 6.3 - 4.0 | 8.50 | 4.50 | 19.20 | 7.40 | 7.00 | 0.38 | X | B | 25987.123.211 | CuZn | Sn | L |
| | | | | | | | | | | | | | | 25987.201.011 | CuSn | Sn | |
| 2 | 4.00 - 6.00 | 0.80 | 6.3 | 46340 Teil 3 Form B | 6.3 - 6.0 | 8.50 | 4.50 | 19.20 | 7.40 | 7.00 | 0.38 | X | B | 25997.123.204 | CuZn | | |
| | | | | | | | | | | | | | | 25997.123.211 | CuZn | Sn | |
| | | | | | | | | | | | | | | 25997.123.242 | CuZn | Ag | |
| | | | | | | | | | | | | | | 25997.201.004 | CuSn | | |
| | | | | | | | | | | | | | | 25997.201.011 | CuSn | Sn | |
| | | | | | | | | | | | | | | 25997.201.042 | CuSn | Ag | |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | DIN | Nenngröße | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Rastpunkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

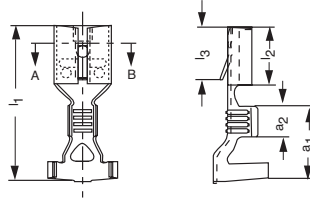
Receptacles PLUS

to engage in housings
for splash-proof version

Flachsteckhülsen PLUS

zum Einrasten in Gehäuse
für spritzwassergeschützten Einsatz

Type 1



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=Single B=chain | Part number | Material | Terminal feed |
|------|------------------------|---------------|--------------|------|------|-------|------|------|--------------------|-----------------------|---------------|-----------|-----------------|
| 1 | 1.5 - 2.5 | 0.80 | 6.30 | 9.60 | 4.00 | 20.00 | 7.40 | 7.00 | 0.38 | B | 25710.213.009 | CuSn | NQ |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Verb.-vor-schub |

Receptacles PLUS

to engage in housings
for splash-proof version

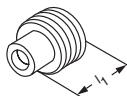
Single wire seals

Flachsteckhülsen PLUS

zum Einrasten in Gehäuse
für spritzwassergeschützten Einsatz

Seals (Einzelleitungsdichtungen)

Type 1



| Type | Insulation diameter | Hole diameter | l1 | Part number | Specification | Material | Colour | Foot-note |
|------|---------------------|---------------|------|----------------------|------------------------|-----------|-----------|-----------|
| 1 | 3.4 - 4.4 | 8.20 | 7.50 | 16259.627.646 | Einzelleitungsdichtung | VMQ | blassgrün | |
| 1 | 1.9 - 3.0 | 8.20 | 7.50 | 16278.627.694 | Einzelleitungsdichtung | VMQ | reinweiß | *1 |
| 1 | 1.9 - 3.0 | 8.20 | 7.50 | 16696.627.694 | Einzelleitungsdichtung | VMQ | reinweiß | |
| Typ | Isol.- Ø | Bohr.- Ø | l1 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

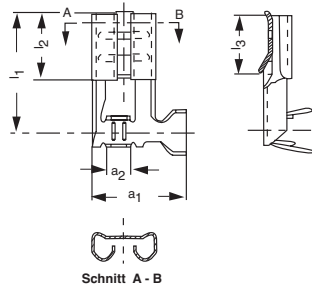
*1 Safety part

*1 Dokumentationspflichtiges Teil

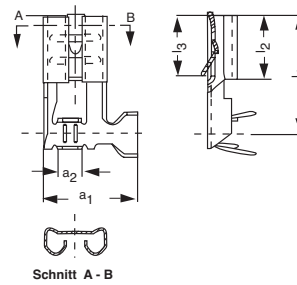
Receptacles
for tab width **6.3 mm**
to engage in housings,
flag type

Flachsteckhülsen
für Steckerbreite **6,3 mm**
zum Einrasten in Gehäuse,
mit seitlichem Leiteranschluß

Type 1



Type 2



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|-------------|-------|------|-------|------|------|--------------------|-----------------------|----------------------|-----------|------------|----------------|-----------|
| 1 | 1.5 - 2.5 | 0.80 | 6.30 | 11.00 | 3.50 | 13.85 | 7.40 | 7.00 | 0.38 | B | 26431.123.204 | CuZn | | SQ | *1 |
| 2 | 0.5 - 1.0 | 0.80 | 6.30 | 11.00 | 3.50 | 13.70 | 7.40 | 7.00 | 0.38 | B | 26653.213.011 | CuSn | Sn | NQ | |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vorschub | Fußnote |

*1 Side way feed right

*1 Einlauf der Kontakte in das Crimpwerkzeug von rechts

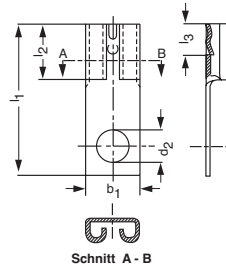
Receptacles

for tab width **6.3 mm**

Flachsteckhülsen

für Steckerbreite **6,3 mm**

Type 1



| Type | Tab thickness | Tab width | b1 | d2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Notch | Part number | Material | Surface |
|------|---------------|-------------|------|------|-------|------|------|--------------------|-----------------------------|-----------|---------------|-----------|------------|
| 1 | 0.80 | 6.30 | 7.50 | 4.30 | 20.50 | 7.50 | 4.00 | 0.44 | E | X | 12541.123.211 | CuSn | Sn |
| Typ | Steckdicke | Steckbreite | b1 | d2 | l1 | l2 | l3 | Mat-dicke | Form E=Einzel B=Band | Rastpunkt | Teile-Nr. | Werkstoff | Oberfläche |

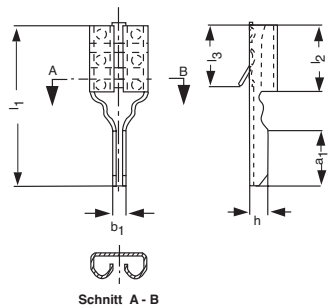
Receptacles

for tab width 6.3 mm
for soldering into PC boards

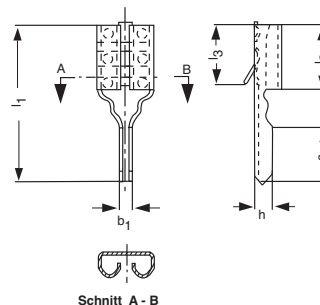
Flachsteckhülsen

für Steckerbreite 6,3 mm
zum Einlöten in Leiterplatten

Type 1



Type 2



| Type | Tab thickness | Tab width | a1 | b1 | h | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|------|------|-------|------|------|--------------------|-----------------------------|---------------|-----------|------------|
| 1 | 0.80 | 6.30 | 6.20 | 1.30 | 2.00 | 18.00 | 7.40 | 7.00 | 0.32 | E | 17566.213.179 | CuSn | Sn |
| 2 | 0.80 | 6.30 | 6.20 | 1.30 | 2.00 | 18.00 | 7.40 | 7.00 | 0.32 | E | 17766.213.180 | CuSn | Sn |
| Typ | Steckdicke | Steckbreite | a1 | b1 | h | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

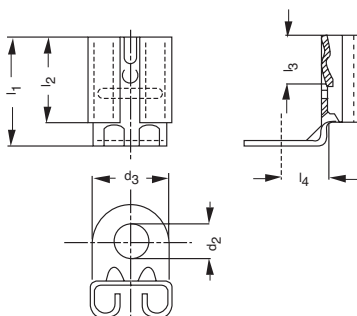
Receptacles

for tab width 6.3 mm

Flachsteckhülsen

für Steckerbreite 6,3 mm

Type 1

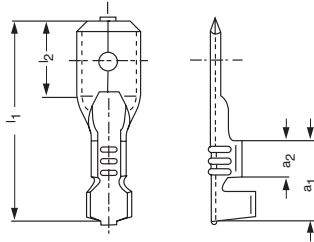


| Type | Tab thickness | Tab width | d2 | d3 | l1 | l2 | l3 | l4 | Material thickness | Notch | Form E=single B=chain | Part number | Material |
|------|---------------|-------------|------|------|------|------|------|------|--------------------|-----------|-----------------------------|---------------|-----------|
| 1 | 0.80 | 6.3 | 3.10 | 6.50 | 9.45 | 7.40 | 4.00 | 3.60 | 0.44 | X | E | 17385.123.204 | CuZn |
| Typ | Steckdicke | Steckbreite | d2 | d3 | l1 | l2 | l3 | l4 | Mat.-dicke | Rastpunkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff |

Tabs
with tab width **6.3 mm**
DIN 46248 and similar types

Flachstecker
mit Steckerbreite **6,3 mm**
DIN 46248 und ähnliche Ausführungen

Type 1



| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|----------------------------------|-----------------|------------------|---------------------------|----------------|------|------|-------|------|--------------------|----------------------------|---|------------------------------|----------------|-------------------------|
| 1 | 0.75 - 1.5 | 0.80 | 6.30 | | | 8.50 | 4.60 | 20.00 | 8.80 | 0.38 | B | 25019.126.009 25019.126.111 | CuZn CuZn | Sn | L |
| 1 | 0.5 - 1.0 | 0.80 | 6.30 | 46248 Teil 3 Form A | 6.3 - 1.0 | 8.50 | 4.60 | 20.00 | 8.80 | 0.38 | B B | 25135.123.009 25135.123.111 | CuZn CuZn | Sn | SQ |
| 1 | 0.5 - 1.0 | 0.80 | 6.30 | 46248 Teil 3 Form A | 6.3 - 2.5 | 8.50 | 4.60 | 20.00 | 8.80 | 0.38 | B B B B | 25259.123.009 25259.123.111 25259.123.142 25259.213.111 | CuZn CuZn CuZn CuSn | Sn Ag Sn | SQ |
| Typ | Nenn- quer- schnitt qmm | Steck- dicke | Steck- breite | DIN | Nenn- größe | a1 | a2 | l1 | l2 | Mat.- dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.- vor- schub |

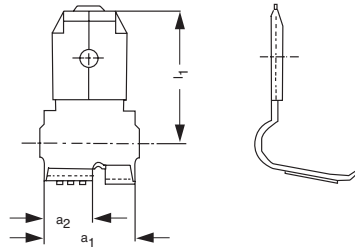
Tabs

with tab width 6.3 mm

Flachstecker

mit Steckerbreite 6,3 mm

Type 1

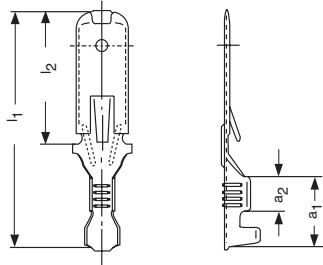


| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5 - 1.5 | 0.80 | 6.30 | 7.50 | 4.00 | 11.20 | 0.40 | B | 22116.123.178 | CuZn | Sn | L |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

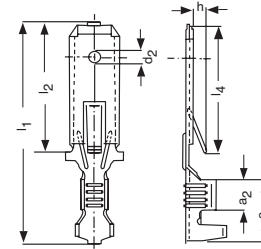
Tabs
with tab width **6.3 mm**
to engage in housings

Flachstecker
mit Steckerbreite **6,3 mm**
zum Einrasten in Gehäuse

Type 1



Type 2

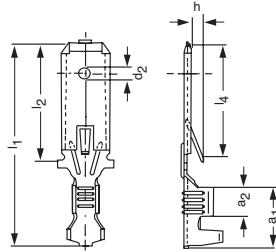


| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | d2 | h | l1 | l2 | l4 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|--------------|------|------|------|------|-------|-------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 2 | 1.5 - 2.5 | 0.80 | 6.30 | 8.20 | 4.00 | 1.65 | 1.80 | 28.00 | 16.00 | 15.50 | 0.38 | B | 25054.123.009 | CuZn | | SQ |
| | | | | | | | | | | | | B | 25054.123.042 | CuZn | Ag | |
| | | | | | | | | | | | | B | 25054.123.178 | CuZn | Sn | |
| | | | | | | | | | | | | B | 25054.213.041 | CuSn | Ag | |
| | | | | | | | | | | | | B | 25054.213.111 | CuSn | Sn | |
| 2 | 0.5 - 1.0 | 0.80 | 6.30 | 8.20 | 4.00 | 1.65 | 1.80 | 28.00 | 16.00 | 15.50 | 0.38 | B | 25297.123.009 | CuZn | | SQ |
| | | | | | | | | | | | | B | 25297.123.041 | CuZn | Ag | |
| | | | | | | | | | | | | B | 25297.123.043 | CuZn | Ag | |
| | | | | | | | | | | | | B | 25297.123.178 | CuZn | Sn | |
| 1 | 0.5 - 1.0 | 0.80 | 6.30 | 8.20 | 4.00 | | | 28.00 | 16.00 | | 0.37 | B | 26512.126.009 | CuZn | | L |
| | | | | | | | | | | | | B | 26512.201.179 | CuSn | Sn | |
| 1 | 1.5 - 2.5 | 0.80 | 6.30 | 8.20 | 4.00 | | | 28.00 | 16.00 | | 0.37 | B | 26513.126.009 | CuZn | | L |
| | | | | | | | | | | | | B | 26513.201.179 | CuSn | Sn | |
| 1 | 4.00 - 6.00 | 0.80 | 6.30 | 8.20 | 4.00 | | | 28.00 | 16.00 | | 0.37 | B | 26514.126.009 | CuZn | | |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | a1 | a2 | d2 | h | l1 | l2 | l4 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Tabs
with tab width **6.3 mm**
to engage in housings
DIN 46343 and similar types

Flachstecker
mit Steckerbreite **6,3 mm**
zum Einrasten in Gehäuse
DIN 46343 und ähnliche Ausführungen

Type 1



| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | d2 | h | l1 | l2 | l4 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------------|------------------------------|--------------------|---------------------|---------------------|-------------------|-----------|-----------|-----------|----------|-----------|-----------|-----------|--------------------|-----------------------------|--|--|----------------------|------------------------|
| 1 | 0.5 -1.0 (0.3) | 0.80 | 6.3 | 46343 Teil 3 Form B | 6.3 - 1.0 | 8.20 | 4.00 | 1.65 | 1.40 | 28.00 | 16.00 | 15.50 | 0.37 | B | 25068.213.009 | CuSn | | L |
| 1 | 1.5 - 2.5 | 0.80 | 6.3 | 46343 Teil 3 Form B | 6.3 - 2.5 | 8.20 | 4.00 | 1.65 | 1.40 | 28.00 | 16.00 | 15.60 | 0.37 | B B B B | 25696.126.141 25696.126.178 25696.213.009 25696.213.178 | CuZn CuZn CuSn CuSn | Ag Sn Sn | L |
| 1 | 0.5 - 1.0 | 0.80 | 6.3 | 46343 Teil 3 Form B | 6.3 - 1.0 | 8.20 | 4.00 | 1.65 | 1.40 | 28.00 | 16.00 | 15.60 | 0.37 | B B B B B | 25697.126.009 25697.126.142 25697.126.178 25697.213.009 25697.213.141 25697.213.178 | CuZn CuZn CuZn CuSn CuSn CuSn | Ag Sn Ag Sn | L |
| 1 | 4.00 - 6.00 | 0.80 | 6.3 | 46343 Teil 3 Form B | 6.3 - 1.0 | 8.20 | 4.00 | 1.65 | 1.40 | 28.00 | 16.00 | 15.60 | 0.37 | B B B | 25698.126.178 25698.213.111 25698.213.178 | CuZn CuSn CuSn | Sn Sn Sn | L |
| Typ | Nenn-quer-schnitt qmm | Steck-dicke | Steck-breite | DIN | Nenn-größe | a1 | a2 | d2 | h | l1 | l2 | l4 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

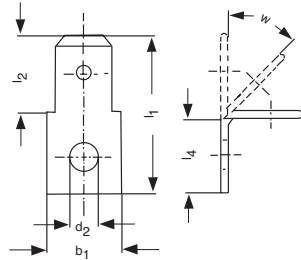
Tabs

with tab width **6.3 mm**
DIN 46342 and similar,
Dimensions in the tab sector DIN 46244 part 1

Flachstecker

mit Steckerbreite **6,3 mm**
DIN 46342 und ähnliche,
Maße im Steckbereich DIN 46244 Teil 1

Type 1



| Type | Tab thickness | Tab width | DIN standard | Nominal size | b1 | d2 | l1 | l2 | l4 | W° | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|---------------------|--------------|------|------|-------|------|------|----|--------------------|-----------------------|---------------|-----------|------------|
| 1 | 0.80 | 6.3 | 46342 Teil 1 Form B | 6.3 - 0.8 | 8.00 | 4.30 | 19.00 | 8.00 | 8.50 | 45 | 0.80 | E | 11569.123.011 | CuZn | Sn |
| 1 | 0.80 | 6.3 | | | 8.00 | 4.10 | 19.00 | 8.00 | 8.00 | 45 | 0.80 | E | 11643.123.011 | CuZn | Sn |
| 1 | 0.80 | 6.3 | | | 8.00 | 4.30 | 19.00 | 8.00 | 8.00 | 30 | 0.80 | E | 12573.123.011 | CuZn | Sn |
| 1 | 0.80 | 6.3 | | | 8.00 | 3.20 | 19.00 | 8.00 | 8.00 | 45 | 0.80 | E | 12650.123.011 | CuZn | Sn |
| 1 | 0.80 | 6.3 | | | 8.00 | 3.20 | 19.00 | 8.00 | 8.00 | 90 | 0.80 | E | 12651.123.011 | CuZn | Sn |
| Typ | Steckdicke | Steckbreite | DIN | Nenngröße | b1 | d2 | l1 | l2 | l4 | W° | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Tabs

with tab width **6.3 mm**

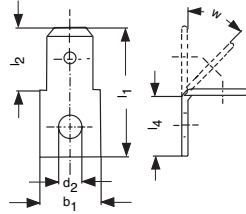
Dimensions in the tab sector DIN 46244 part 1

Flachstecker

mit Steckerbreite **6,3 mm**

Maße im Steckbereich DIN 46244 Teil 1

Type 1



| Type | Tab thickness | Tab width | b1 | d2 | l1 | l2 | l4 | W° | Material thickness | Form E=single B=chain | Part number | Material | Surface | Foot-note |
|------|---------------|-------------|------|------|-------|------|------|----|--------------------|-----------------------|----------------------|-----------|------------|-----------|
| 1 | 0.80 | 6.3 | 8.00 | | 19.00 | 8.00 | | | 0.80 | E | 11621.411.031 | ST3 LG BK | Ni | *1 |
| 1 | 0.80 | 6.3 | 8.00 | 5.30 | 19.00 | 8.00 | 8.00 | 45 | 0.80 | E | 12636.123.011 | CuZn | Sn | |
| 1 | 0.80 | 6.3 | 8.00 | 6.30 | 19.00 | 8.00 | 8.00 | 45 | 0.80 | E | 12637.123.011 | CuZn | Sn | |
| 1 | 0.80 | 6.3 | 8.00 | 4.30 | 19.00 | 8.00 | | | 0.80 | E | 12644.123.011 | CuZn | Sn | |
| 1 | 0.80 | 6.3 | 8.00 | 4.30 | 19.00 | 8.00 | 8.00 | 90 | 0.80 | E | 12647.123.011 | CuZn | Sn | |
| 1 | 0.80 | 6.3 | 7.00 | 4.30 | 19.00 | 8.00 | 9.00 | 45 | 0.80 | E | 17412.123.011 | CuZn | Sn | |
| Typ | Steckdicke | Steckbreite | b1 | d2 | l1 | l2 | l4 | W° | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Fußnote |

*1 Without hole

*1 Ohne Bohrung

Tabs

with tab width **6.3 mm**

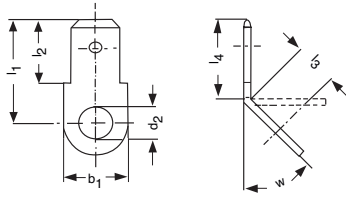
Dimensions in the tab sector DIN 46244 part 1

Flachstecker

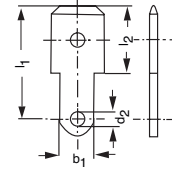
mit Steckerbreite **6,3 mm**

Maße im Steckbereich DIN 46244 Teil 1

Type 1



Type 2



| Type | Tab thickness | Tab width | b1 | d2 | l1 | l2 | l3 | l4 | W° | Material thickness | Form E=Single B=chain | Part number | Material |
|------|---------------|-------------|------|------|-------|------|------|-------|----|--------------------|-----------------------|---------------|-----------|
| 1 | 0.80 | 6.3 | 8.00 | 4.10 | 15.00 | 8.00 | 5.00 | 10.00 | 50 | 0.80 | E | 12815.123.003 | CuZn |
| 2 | 0.80 | 6.3 | 4.00 | 1.60 | 14.40 | 8.50 | | | | 0.80 | E | 17059.123.003 | CuZn |
| Typ | Steckdicke | Steckbreite | b1 | d2 | l1 | l2 | l3 | l4 | W° | Mat. dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff |

Tabs

with tab width **6.3 mm**

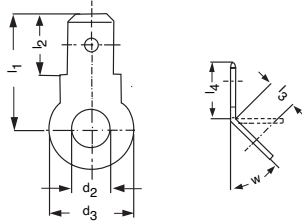
Dimensions in the tab sector DIN 46244 part 1

Flachstecker

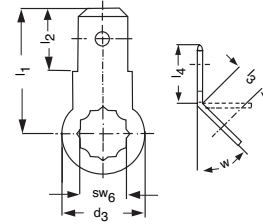
mit Steckerbreite **6,3 mm**

Maße im Steckbereich DIN 46244 Teil 1

Type 1



Type 2



| Type | Tab thickness | Tab width | d2 | d3 | l1 | l2 | l3 | l4 | W° | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|-------|-------|-------|------|------|-------|----|--------------------|-----------------------|---------------|-----------|------------|
| 2 | 0.80 | 6.3 | | 10.00 | 14.00 | 8.00 | 6.00 | 10.00 | 50 | 0.80 | E | 11730.123.003 | CuZn | |
| 1 | 0.80 | 6.3 | 8.40 | 17.00 | 18.50 | 8.00 | 8.50 | 10.00 | 45 | 0.80 | E | 11774.123.011 | CuZn | Sn |
| 1 | 0.80 | 6.3 | 5.30 | 10.00 | 15.00 | 8.00 | 5.00 | 10.00 | 90 | 0.80 | E | 12685.123.011 | CuZn | Sn |
| 1 | 0.80 | 6.3 | 10.50 | 17.00 | 18.50 | 8.00 | 8.50 | 10.00 | 45 | 0.80 | E | 12691.123.011 | CuZn | Sn |
| 1 | 0.80 | 6.3 | 6.30 | 17.00 | 18.50 | 8.00 | 8.50 | 10.00 | 45 | 0.80 | E | 12698.123.011 | CuZn | Sn |
| Typ | Steckdicke | Steckbreite | d2 | d3 | l1 | l2 | l3 | l4 | W° | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Tabs

with tab width **6.3 mm**

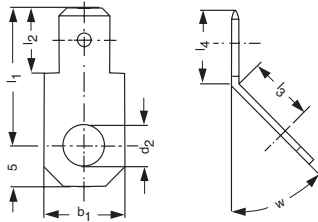
Dimensions in the tab sector DIN 46244 part 1

Flachstecker

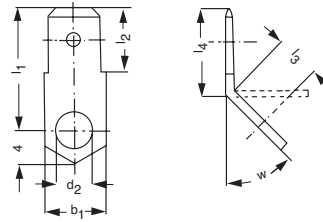
mit Steckerbreite **6,3 mm**

Maße im Steckbereich DIN 46244 Teil 1

Type 1



Type 2



| Type | Tab thickness | Tab width | b1 | d2 | l1 | l2 | l3 | l4 | W° | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|-------|------|-------|------|------|-------|----|--------------------|-----------------------|---------------|-----------|------------|
| 1 | 0.80 | 6.3 | 10.00 | 5.30 | 17.00 | 8.00 | 5.00 | 12.00 | 45 | 0.80 | E | 11827.201.011 | CuZn | Sn |
| 1 | 0.80 | 6.3 | 10.00 | 6.30 | 17.00 | 8.00 | 8.00 | 9.00 | 45 | 0.80 | E | 17146.123.011 | CuZn | Sn |
| 2 | 0.80 | 6.3 | 7.00 | 4.30 | 19.00 | 8.00 | 5.00 | 10.00 | 45 | 0.80 | E | 17441.123.003 | CuZn | |
| Typ | Steckdicke | Steckbreite | b1 | d2 | l1 | l2 | l3 | l4 | W° | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Tabs

with tab width **6.3 mm**

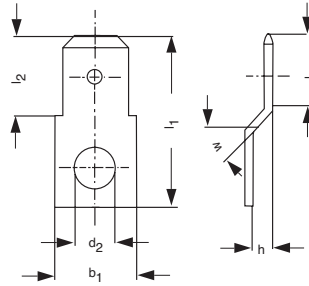
Dimensions in the tab sector DIN 46244 part 1

Flachstecker

mit Steckerbreite **6,3 mm**

Maße im Steckbereich DIN 46244 Teil 1

Type 1



| Type | Tab thickness | Tab width | b1 | d2 | h | l1 | l2 | l3 | w ⁰ | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|------|------|-------|------|------|----------------|--------------------|-----------------------------|----------------------|-----------|------------|
| 1 | 0.80 | 6.3 | 8.00 | 4.30 | 2.00 | 19.00 | 8.00 | 8.00 | 45 | 0.80 | E | 12669.123.011 | CuZn | Sn |
| Typ | Steckdicke | Steckbreite | b1 | d2 | h | l1 | l2 | l3 | w ⁰ | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Tabs

with tab width **6.3 mm**

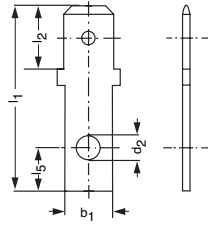
Dimensions in the tab sector DIN 46244 part 1

Flachstecker

mit Steckerbreite **6,3 mm**

Maße im Steckbereich DIN 46244 Teil 1

Type 2



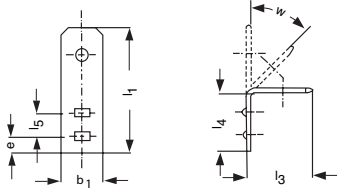
| Type | Tab thickness | Tab width | b1 | d2 | l1 | l2 | l5 | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|------|-------|------|------|--------------------|-----------------------|---------------|-----------|------------|
| 1 | 0.80 | 6.3 | 6.00 | 3.10 | 23.20 | 8.00 | 5.50 | 0.80 | E | 12932.123.011 | CuZn | Sn |
| Typ | Steckdicke | Steckbreite | b1 | d2 | l1 | l2 | l5 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Tabs

with tab width **6.3 mm**
for welding connection

Dimensions in the tab sector DIN 46244 part 1

Type 1

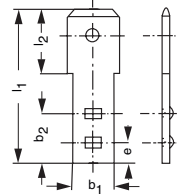


Flachstecker

mit Steckerbreite **6,3 mm**
für Schweißanschluß

Maße im Steckbereich DIN 46244 Teil 1

Type 2



| Type | Tab thickness | Tab width | b1 | b2 | e | l1 | l2 | l3 | l5 | W° | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|------|------|-------|------|-------|------|----|--------------------|-----------------------|----------------------|-----------|------------|
| 2 | 0.80 | 6.3 | 5.00 | 6.00 | 2.50 | 19.00 | 8.00 | | | | 0.80 | E | 12950.411.031 | Stahl | Ni |
| 1 | 0.80 | 6.3 | 6.30 | | 2.50 | 19.00 | | 10.30 | 3.50 | 90 | 0.80 | E | 17448.411.031 | Stahl | Ni |
| Typ | Steckdicke | Steckbreite | b1 | b2 | e | l1 | l2 | l3 | l5 | W° | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Tabs

with tab width **6.3 mm**
for welding connection

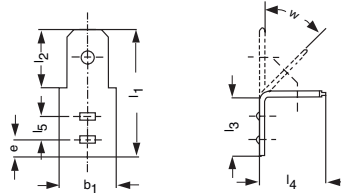
Dimensions in the tab sector DIN 46244 part 1

Flachstecker

mit Steckerbreite **6,3 mm**
für Schweißanschluß

Maße im Steckbereich DIN 46244 Teil 1

Type 1

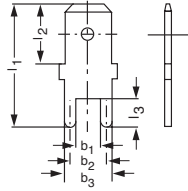


| Type | Tab thickness | Tab width | b1 | e | l1 | l2 | l3 | l5 | W° | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|------|-------|------|------|------|----|--------------------|-----------------------|---------------|-----------|------------|
| 1 | 0.80 | 6.3 | 8.00 | 2.50 | 19.00 | 8.00 | 9.50 | 3.50 | 45 | 0.80 | E | 11742.411.031 | Stahl | Ni |
| Typ | Steckdicke | Steckbreite | b1 | e | l1 | l2 | l3 | l5 | W° | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Tabs

with tab width **6.3 mm**
for soldering into PC boards
Dimensions in the tab sector DIN 46244 part 1

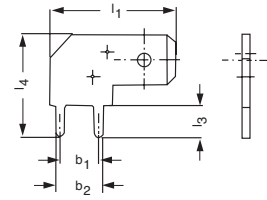
Type 1



Flachstecker

mit Steckerbreite **6,3 mm**
zum Einlöten in Leiterplatten
Maße im Steckbereich DIN 46244 Teil 1

Type 2

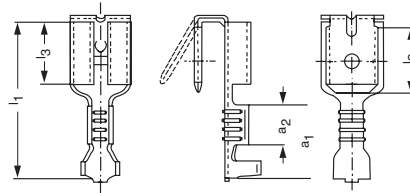


| Type | Tab thickness | Tab width | b1 | b2 | b3 | l1 | l2 | l3 | l4 | Material thickness E=single B=chain | Form E=Einzel B=Band | Part number | Material | Surface |
|------|---------------|-------------|------|------|------|-------|------|------|-------|---|----------------------------|----------------------|-----------|------------|
| 1 | 0.80 | 6.3 | 3.50 | 5.00 | 6.40 | 16.50 | 8.00 | 4.00 | | 0.80 | E | 12523.123.025 | CuZn | Sn |
| | | | | | | | | | | | | 12523.123.041 | CuZn | Ag |
| 2 | 0.80 | 6.3 | 5.00 | 6.20 | | 16.00 | | 3.00 | 12.00 | 0.80 | E | 17128.123.025 | CuZn | Sn |
| Typ | Steckdicke | Steckbreite | b1 | b2 | b3 | l1 | l2 | l3 | l4 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Multiple Tabs
with/for tab width 6.3 mm
DIN 46325

Steckverteiler
mit/für Steckerbreite 6,3 mm
DIN 46345

Type 1



| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|---------------|-------------|--------------|--------------|------|------|-------|------|------|--------------------|-----------------------|--|-------------------------------|----------------|----------------|----------------------|
| 1 | 0.5-1.0 | 0.80 | 6.3 | 46345 Teil 1 | 6.3 - 1.0 | 8.80 | 4.70 | 20.00 | 8.00 | 7.40 | 0.38 | B B B B | 25116.123.009 25116.123.111 25116.213.011 25116.417.131 | CuZn CuZn CuSn Stahl | Sn Sn Ni | NQ | *1 *1 *1 *1 |
| 1 | 1.5-2.5 | 0.80 | 6.3 | 46345 Teil 1 | 6.3 - 2.5 | 8.80 | 4.70 | 20.00 | 8.00 | 7.40 | 0.38 | B B | 25117.123.009 25117.417.131 | CuZn Stahl | Ni | NQ | *1 *1 |
| 1 | 0.5-1.0 | 0.80 | 6.3 | 46345 Teil 1 | 6.3 - 1.0 | 8.80 | 4.70 | 20.00 | 8.00 | 7.40 | 0.38 | B | 25143.123.009 | CuZn | | SQ | |
| 1 | 1.5-2.5 | 0.80 | 6.3 | 46345 Teil 1 | 6.3 - 2.5 | 8.80 | 4.70 | 20.00 | 8.00 | 7.40 | 0.38 | B B B | 25634.123.293 25634.213.111 25634.417.131 | CuZn CuSn Stahl | Sn Sn Sn | SQ | |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | DIN | Nenngröße | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vor-schub | Fuß-note |

*1 For crimping on Komax 40

*1 Zur Verarbeitung auf Komax 40

Multiple Tabs

with tab width 6.3 mm

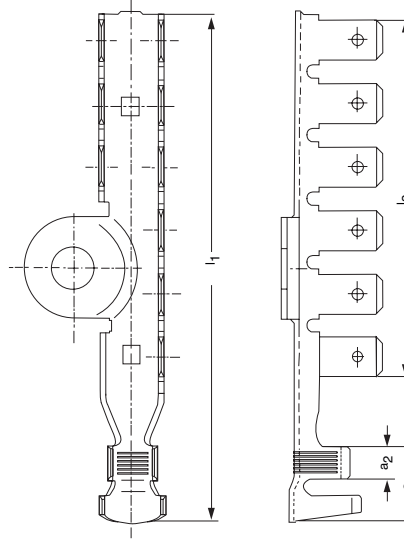
Dimensions in the tab sector DIN 46244 part 1

Steckverteiler

mit Steckerbreite 6,3 mm

Maße im Steckbereich DIN 46244 Teil 1

Type 1



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|------------------------|---------------|-------------|-------|------|-------|-------|--------------------|-----------------------|---------------|-----------|------------|
| 1 | 16 | 0.80 | 6.30 | 12.00 | 5.50 | 80.00 | 36.00 | 0.80 | E | 05492.201.011 | CuSn | Sn |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Multiple Tabs

with tab width **6.3 mm**

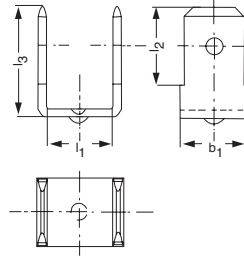
Dimensions in the tab sector DIN 46244 part 1

Steckverteiler

mit Steckerbreite **6,3 mm**

Maße im Steckbereich DIN 46244 Teil 1

Type 1



| Type | Tab thickness | Tab width | b1 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|------|------|-------|--------------------|-----------------------------|---------------|-----------|------------|
| 1 | 0.80 | 6.3 | 7.00 | 7.20 | 8.00 | 11.50 | 0.80 | E | 11976.411.031 | Stahl | Ni |
| Typ | Steckdicke | Steckbreite | b1 | l1 | l2 | l3 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Multiple Tabs

with tab width **6.3 mm**

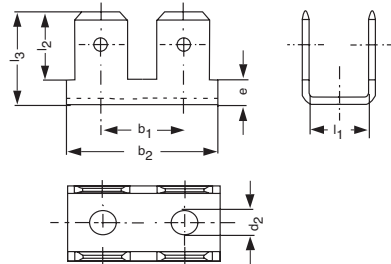
Dimensions in the tab sector DIN 46244 part 1

Steckverteiler

mit Steckerbreite **6,3 mm**

Maße im Steckbereich DIN 46244 Teil 1

Type 1



| Type | Tab thickness | Tab width | b1 | b2 | d2 | e | l1 | l2 | l3 | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|-------|------|------|------|------|-------|--------------------|-----------------------------|---------------|-----------|------------|
| 1 | 0.80 | 6.3 | 9.50 | 18.00 | 3.20 | 3.00 | 6.90 | 8.00 | 11.00 | 0.80 | E | 11676.411.031 | Stahl | Ni |
| Typ | Steckdicke | Steckbreite | b1 | b2 | d2 | e | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Multiple Tabs

with tab width 6.3 mm

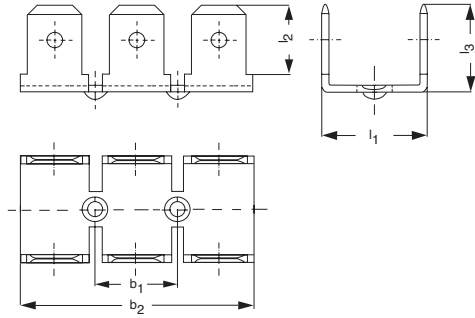
Dimensions in the tab sector DIN 46244 part 1

Steckverteiler

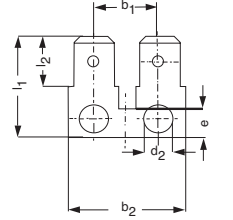
mit Steckerbreite 6,3 mm

Maße im Steckbereich DIN 46244 Teil 1

Type 1



Type 2



| Type | Tab thickness | Tab width | b1 | b2 | d2 | e | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|-------|-------|------|------|-------|------|-------|--------------------|-----------------------------|--------------------------------|--------------|------------|
| 2 | 0.80 | 6.3 | 10.50 | 18.50 | 4.30 | 4.50 | 16.50 | 8.00 | | 0.80 | E | 11720.213.011 | CuSn | Sn |
| 1 | 0.80 | 6.3 | 9.50 | 27.00 | | | 10.50 | 8.00 | 10.00 | 0.80 | E | 17418.123.003 17418.123.111 | CuZn CuZn | Sn |
| Typ | Steckdicke | Steckbreite | a1 | b2 | d2 | e | l1 | l2 | l3 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Multiple Tabs

with tab width 6.3 mm

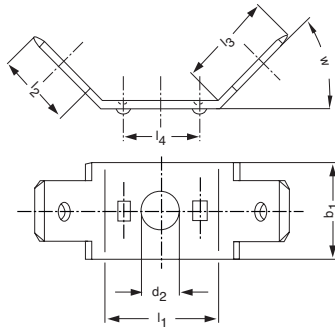
Dimensions in the tab sector DIN 46244 part 1

Steckverteiler

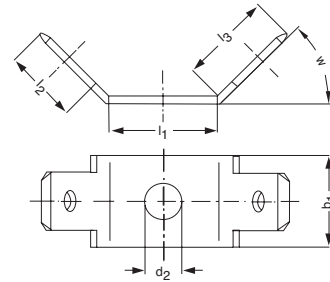
mit Steckerbreite 6,3 mm

Maße im Steckbereich DIN 46244 Teil 1

Type 1



Type 2



| Type | Tab thickness | Tab width | b1 | d2 | l1 | l2 | l3 | l4 | W° | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|-------|------|-------|------|------|------|----|--------------------|-----------------------|---------------|-----------|------------|
| 2 | 0.80 | 6.3 | 10.00 | 4.30 | 12.00 | 8.00 | 9.95 | | 45 | 0.80 | E | 12617.123.011 | CuZn | Sn |
| 2 | 0.80 | 6.3 | 10.00 | 5.20 | 12.00 | 8.00 | 9.95 | | 45 | 0.80 | E | 12618.123.011 | CuZn | Sn |
| 2 | 0.80 | 6.3 | 8.00 | 5.20 | 13.20 | 8.00 | 9.05 | | 80 | 0.80 | E | 17462.123.011 | CuZn | Sn |
| 1 | 0.80 | 6.3 | 10.00 | 4.30 | 12.00 | 8.00 | 9.95 | 8.00 | 45 | 0.80 | E | 17468.411.031 | Stahl | Ni |
| Typ | Steckdicke | Steckbreite | b1 | d2 | l1 | l2 | l3 | l4 | W° | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Multiple Tabs

with tab width **6.3 mm**

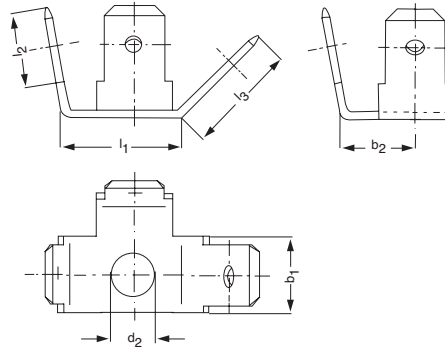
Dimensions in the tab sector DIN 46244 part 1

Steckverteiler

mit Steckerbreite **6,3 mm**

Maße im Steckbereich DIN 46244 Teil 1

Type 1



| Type | Tab thickness | Tab width | b1 | b2 | d2 | l1 | l2 | l3 | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|------|------|-------|------|-------|--------------------|-----------------------------|---------------|-----------|------------|
| 1 | 0.80 | 6.3 | 8.00 | 8.00 | 4.60 | 12.60 | 8.00 | 12.00 | 0.80 | E | 12993.123.011 | CuZn | Sn |
| Typ | Steckdicke | Steckbreite | b1 | b2 | d2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Multiple Tabs

with/for tab width **6.3 mm**

DIN 46347

Dimensions in the tab sector DIN 46244 part 1

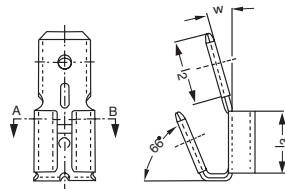
Steckverteiler

mit/für Steckerbreite **6,3 mm**

DIN 46347

Maße im Steckbereich DIN 46244 Teil 1

Type 1



Schnitt A - B

| Type | Tab thickness | Tab width | DIN standard | l2 | l3 | W° | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|--------------|------|------|------|--------------------|-----------------------|--------------------------------|--------------|------------|
| 1 | 0.80 | 6.3 | 46347 | 8.00 | 7.50 | 15.0 | 0.38 | E E | 11705.123.204 11705.213.011 | CuZn CuSn | Sn |
| Typ | Steckdicke | Steckbreite | DIN | l2 | l3 | W° | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Multiple Tab

with/for tab width **6mm**

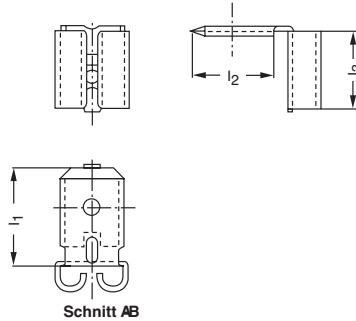
Dimensions in the tab sector DIN 46244 part 1

Steckerteiler

mit/für Steckerbreite **6mm**

Maße im Steckbereich DIN 46244 Teil 1

Type 1



| Type | Tab thickness | Tab width | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface |
|------|---------------|-------------|------|------|------|--------------------|-----------------------------|-------------|-----------|------------|
| 1 | 0.80 | 6.3 | 9.80 | 8.00 | 8.00 | 0.38 | E | 1121 | CuZn | Sn |
| Typ | Steckdicke | Steckbreite | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teilenummer | Werkstoff | Oberfläche |

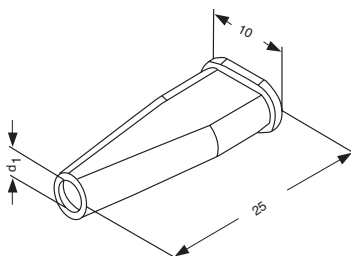
Housings
for flat connectors
with tab width **6.3 mm**

for receptacles DIN 46247 Part 3

Isoliertüllen
für Flachsteckverbindungen
mit Steckerbreite **6,3 mm**

für Steckhülsen DIN 46247 Teil 3

Type 1

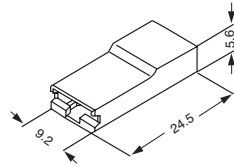


| Type | No. of ways | d1 | Part number | Specification | Material | Colour |
|------|-------------|------|----------------------|---------------|-----------|--------|
| 1 | 1 | 2.50 | 16085.551.501 | Isoliertülle | PE | natur |
| Typ | Pol-zahl | d1 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

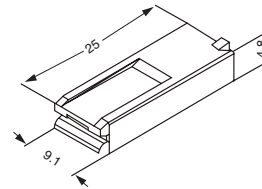
Housings
for receptacles
with tab width **6.3 mm**

Gehäuse
für Flachsteckhülsen
Steckerbreite **6,3 mm**

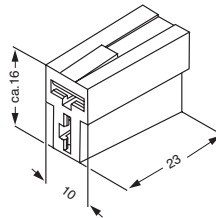
Type 1



Type 2



Type 3



| Type | No. of ways | Form E=Single B=chain | Part number | Specification | Material | Colour |
|------|-------------|-----------------------------|---------------|-------------------|-----------|-------------|
| 3 | 2 | E | 16032.559.501 | FSH 6,3 - Gehäuse | PA66 | natur |
| 2 | 1 | E | 16147.562.501 | FSH 6,3 - Gehäuse | PA66 | natur |
| 1 | 1 | E | 16196.539.501 | FSH 6,3 - Gehäuse | PA66 | natur |
| | | E | 16196.562.501 | FSH 6,3 - Gehäuse | PA66 | natur |
| | | E | 16196.562.699 | FSH 6,3 - Gehäuse | PA66 | tiefschwarz |
| Typ | Pol-zahl | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

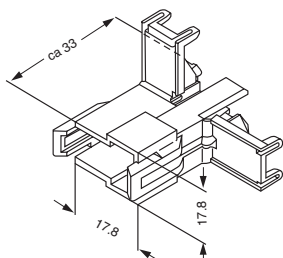
Housings

for tabs with
tab width **6.3 mm**

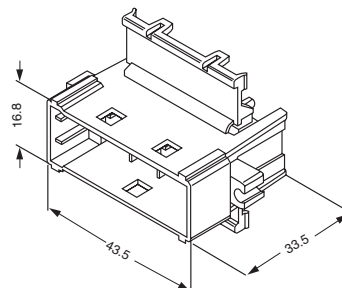
Gehäuse

für Flachstecker mit
Steckerbreite **6,3 mm**

Type 1



Type 2

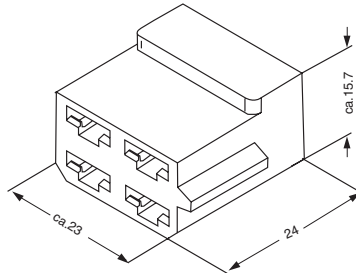


| Type | No. of ways | Part number | Specification | Material | Colour | part of |
|------|-------------|--------------------------------|--------------------------------------|--------------------|----------------------|-----------|
| 2 | 8 | 16030.577.501 16030.577.699 | FS 6,3 - Gehäuse FS 6,3 - Gehäuse | PA66+PE PA66+PE | natur tiefschwarz | 16869 |
| 1 | 2 | 16436.577.501 | FS 6,3 - Gehäuse | PA66+PE | natur | 16437 |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu |

Housings
for flat connectors
with tab width **6.3 mm**

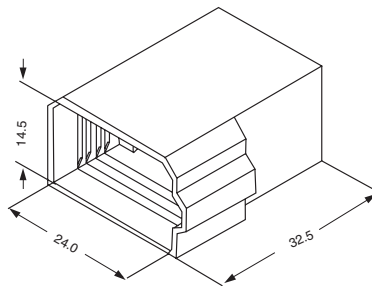
Gehäuse
für Flachsteckverbindungen
mit Steckerbreite **6,3 mm**

Type 1



| Type | No. of ways | Part number | Specification | Material | Colour | Part of |
|------|-------------|---------------|-------------------|-----------|-------------|-----------|
| 1 | 4 | 16105.561.696 | FSH 6,3 - Gehäuse | PA | tiefschwarz | 16106 |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu |

Type 2

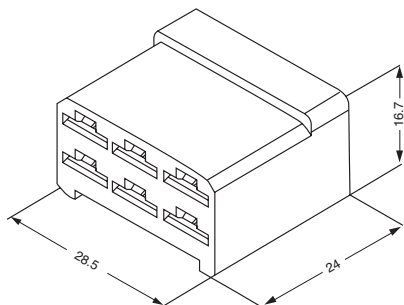


| Type | No. of ways | Part number | Specification | Material | Colour | Part of |
|------|-------------|--------------------------------|------------------------------------|-----------|------------------|-----------|
| 2 | 4 | 16106.581.501 16106.581.696 | FSH 6,3-Gehäuse FSH 6,3-Gehäuse | PP PP | natur schwarz | 16105 |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | gehört zu |

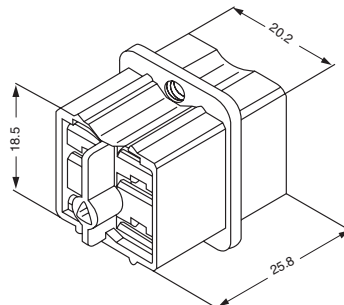
Housings
for flat connectors
with tab width **6.3 mm**

Gehäuse
für Flachsteckverbindungen
mit Steckerbreite **6,3 mm**

Type 1



Type 2

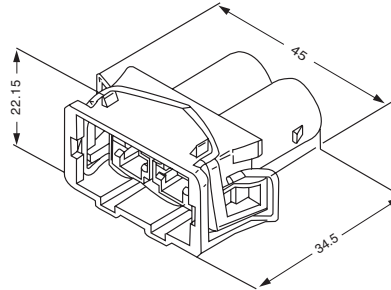


| Type | No. of ways | Part number | Specification | Material | Colour |
|------|-------------|---------------|-------------------|-----------|-------------|
| 1 | 6 | 16110.563.696 | FSH 6,3 - Gehäuse | PA66+PA6 | tiefschwarz |
| 2 | 6 | 16128.559.501 | FS 6,3 - Gehäuse | PA6 | natur |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Housings
for receptacles **6.3 mm**
for splash-proof applications

Gehäuse
für Flachsteckhülsen **6,3 mm**
für spritzwassergeschützten Einsatz

Type 1

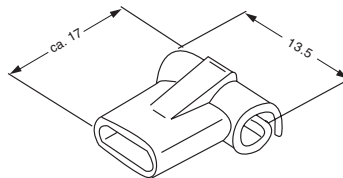


| Type | Part number | Specification |
|------|---------------|------------------------|
| 1 | 17346.000.000 | FSH 6,3 Plus - Gehäuse |
| Typ | Teile-Nr. | Bezeichnung |

Protection covers
for receptacles
with tab width **6.3 mm**
flag types

Schutzhülsen
für Flachsteckhülsen
mit seitlichem Leiteranschluß
Steckerbreite **6,3 mm**

Type 1



| Type | No. of ways | Part number | Specification | Material | Colour | Foot-note |
|------|-------------|---------------|---------------|-----------|--------|-----------|
| 1 | 1 | 16190.502.501 | Schutzhülse | PVC | natur | *1 |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

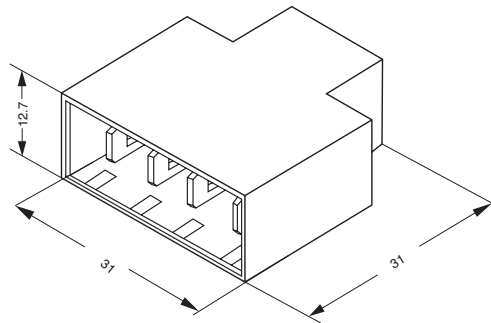
*1 For receptacles part-no. 25039

*1 Für Flachsteckhülsen Teile-Nr. 25039

Multiple tabs
with tab width 6.3 mm

Leitungsverbinder
mit Steckerbreite 6,3 mm

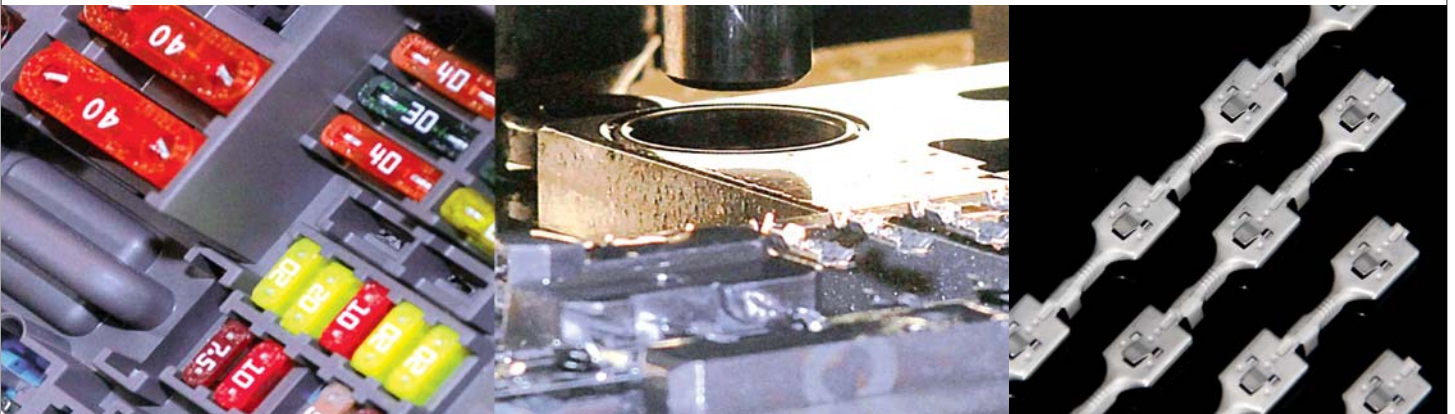
Type 1



| Type | Part number | Specification |
|------|---------------|-------------------|
| 1 | 17551.000.000 | Leitungsverbinder |
| Typ | Teile-Nr. | Bezeichnung |

Flat Connectors 7.7 - 9.5 mm

Flachstecktechnik 7,7 - 9,5 mm



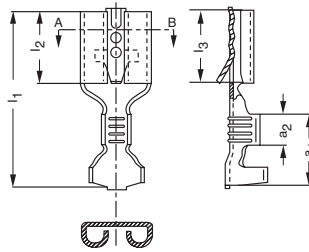
Receptacles
for tab width **7.7 mm**
to engage in housings
DIN 46340 and similar types

For lamp sockets P 45 t DIN 49737 and
P43 t - 38

Flachsteckhülsen
für Steckerbreite **7,7 mm**
zum Einrasten in Gehäuse
DIN 46340 und ähnliche Ausführungen

Für Lampensockel P 45 t DIN 49737 und
P 43 t - 38

Type 1



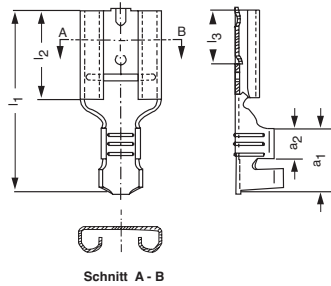
Schnitt A - B

| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|---------------------|--------------|------|------|-------|------|------|--------------------|-----------------------|----------------------|-----------|------------|-----------------|
| 1 | 1.5 - 2.5 | 0.80 | 7.7 | | | 9.00 | 4.50 | 24.00 | 9.50 | 9.50 | 0.45 | B | 26025.213.011 | CuSn | Sn | L |
| 1 | 0.5 - 1.0 | 0.80 | 7.7 | 46340 Teil 5 Form A | 7.7 - 1.0 | 9.00 | 4.50 | 23.00 | 9.50 | 9.50 | 0.38 | B | 26343.213.011 | CuSn | Sn | L |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | DIN | Nenngröße | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

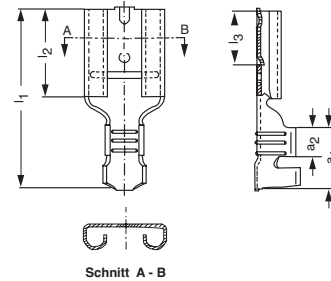
Receptacles
for tab width 9.5 mm
DIN 46247 and similar types

Flachsteckhülsen
für Steckerbreite 9,5 mm
DIN 46247 und ähnliche Ausführungen

Type 1



Type 2

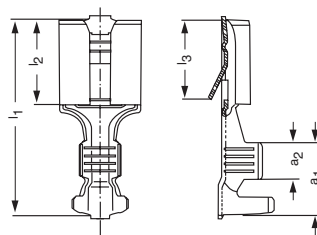


| Type | Wire cross section qmm | Tab thickness | Tab width | DIN standard | Nominal size | a1 | a2 | l1 | l2 | l3 | Material thickness | Notch | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|--------------|--------------|-------|------|-------|-------|------|--------------------|-----------|-----------------------|---------------|-----------|------------|----------------|
| 1 | 4.00 - 6.00 | 1.20 | 9.5 | 46247 Teil 4 | 9.5 - 6.00 | 9.00 | 4.40 | 25.20 | 11.50 | 7.90 | 0.45 | X | B | 25266.213.011 | CuSn | Sn | L |
| 2 | 4.00 - 6.00 | 1.20 | 9.5 | | | 14.50 | 8.00 | 34.00 | 12.00 | | 0.80 | | B | 25974.213.011 | CuSn | Sn | L |
| 2 | 10.00 - 12.00 | 1.20 | 9.5 | | | 14.50 | 8.00 | 34.00 | 12.00 | | 0.80 | | B | 25975.213.011 | CuSn | Sn | L |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | DIN | Nenngröße | a1 | a2 | l1 | l2 | l3 | Mat-dicke | Rastpunkt | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vor-schub |

Receptacles
for tab width 9.5 mm
to engage in housings

Flachsteckhülsen
für Steckerbreite 9,5 mm
zum Einrasten in Gehäuse

Type 1

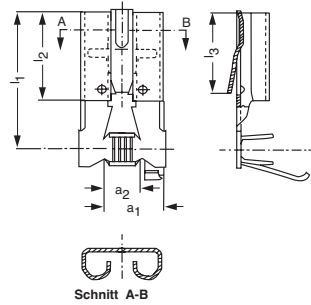


| Type | Wire cross section qmm | Type of lead | Insulation diameter | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------|---------------------|---------------|-------------|-------|------|-------|-------|-------|--------------------|-----------------------|--------------------------------|--------------|------------|----------------|
| 1 | 1.5 - 2.5 | FLR | 2.4 - 3.0 | 1.20 | 9.5 | 9.00 | 4.00 | 27.00 | 11.80 | 11.00 | 0.50 | B | 26564.201.009 | CuSn | | L |
| 1 | 4.0 - 6.0 | FL | 3.8 - 5.1 | 1.20 | 9.5 | 10.00 | 5.00 | 27.00 | 11.80 | 11.0 | 0.50 | B | 26566.201.009 26566.201.011 | CuSn CuSn | Sn | L |
| 1 | 6.0 - 10.0 | FL | 4.6 - 6.6 | 1.20 | 9.5 | 11.00 | 5.00 | 27.00 | 11.80 | 11.0 | 0.50 | B | 26567.201.009 26567.201.011 | CuSn CuSn | Sn | L |
| Typ | Nennquerschnitt qmm | Leit-art | Isol.-Ø | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | l3 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vor-schub |

Receptacles
for tab width **9.5 mm**
to engage in housings
flag type

Flachsteckhülsen
für Steckerbreite **9,5 mm**
zum Einrasten in Gehäuse
mit seitlichem Leiteranschluß

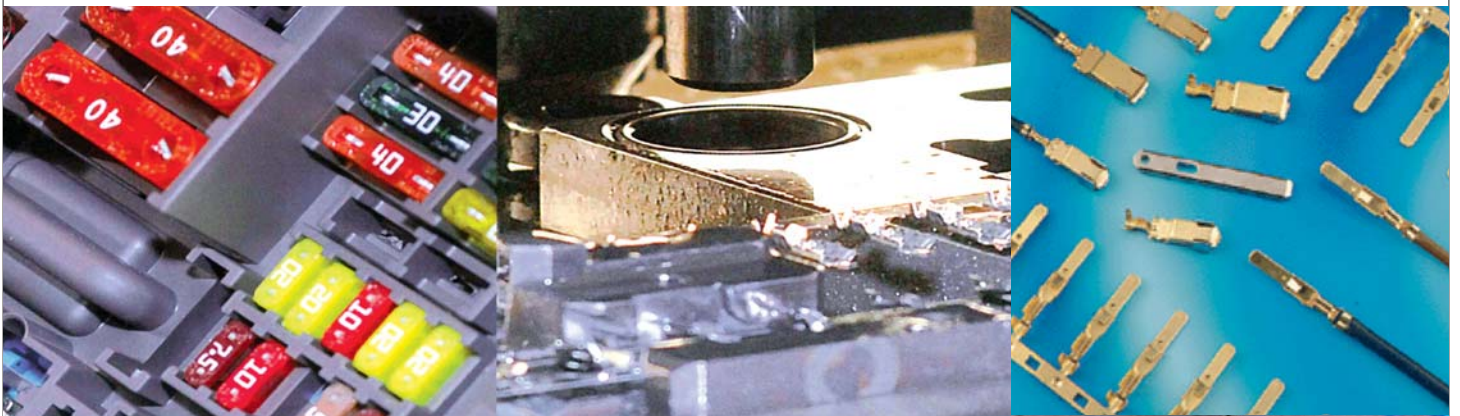
Type 1



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|-------|-------|-------|--------------------|-----------------------|--|--------------|------------|-----------------|
| 1 | 2.50 - 4.0 | 1.20 | 9.5 | 8.00 | 4.50 | 18.50 | 12.00 | 11.00 | 0.60 | B | 26436.212.011 26436.212.042 | CuSn CuSn | Sn Ag | L |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | l3 | Mat. dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb. vor-schub |

**Flat Connectors
Special Models**

**Flachstecktechnik
Sonderausführungen**



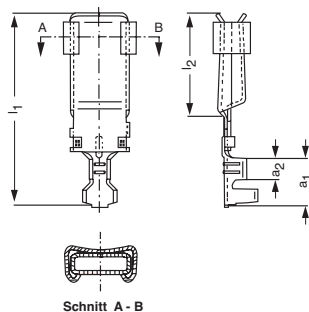
Receptacles

for appliances plugs DIN VDE
0625

Flachsteckhülsen

für Gerätesteckvorrichtungen DIN VDE 0625

Type 1



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|-------|-------|--------------------|-----------------------|----------------------|-----------|------------|---------------|
| 1 | 0.5 - 1.0 | 2.00 | 6 | 5.60 | 2.50 | 23.20 | 13.20 | 0.30 | B | 25294.123.009 | CuZn | Sn | SQ |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verboreschub |

Tabs

special tab width

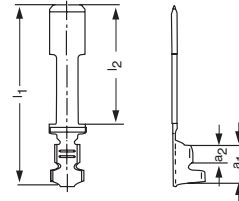
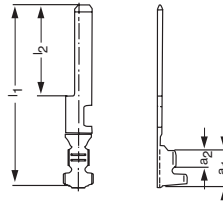
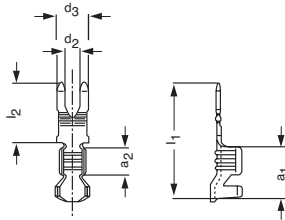
Flachstecker

Sonderausführungen

Type 1

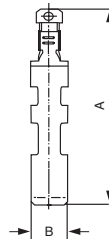
Type 2

Type 3



| Type | Wire cross section qmm | Tab thickness | Tab width | a1 | a2 | d2 | d3 | l1 | l2 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------|-------------|------|------|------|------|-------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.2 - 0.6 | 0.5 | 3.5 | 6.00 | 3.20 | 1.50 | 3.50 | 13.50 | 6.80 | 0.50 | B | 25333.122.178 | CuZn | Sn | NQ |
| 2 | 0.3 - 0.6 | 0.80 | 2.80 | 5.50 | 2.50 | | | 26.50 | 10.00 | 0.38 | B | 25713.284.426 | CuZn | Ni | NQ |
| 3 | 0.3 - 0.6 | 0.80 | 4.8 | 5.50 | 2.50 | | | 24.30 | 6.80 | 0.38 | B | 25714.284.426 | CuZn | Ni | NQ |
| Typ | Nennquerschnitt qmm | Steckdicke | Steckbreite | a1 | a2 | d2 | d3 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1



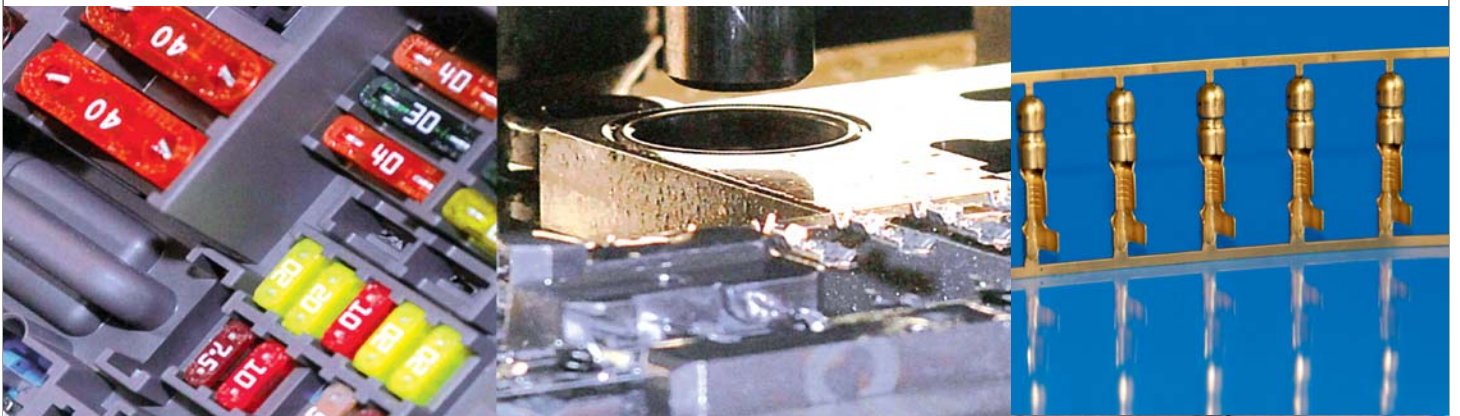
| Type | A | B | Material thickness | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal feed |
|------|------|-----|--------------------|-----------------------|---------------|---------------|-----------|------------|-----------------|
| 1 | 26.5 | 4.8 | 0.8 | B | 28308.284.426 | Flachstecker | CuZn37 | Ni | NQ |
| Typ | A | B | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

Pin and Socket Connectors

1- 5 mm diameter

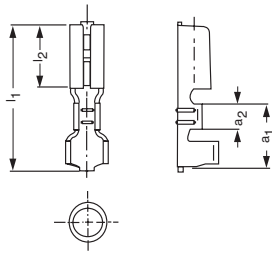
Rundstecktechnik

1 - 5 mm Durchmesser



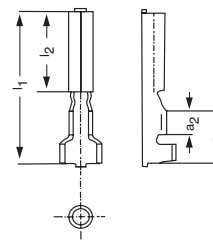
Socket

Type 1

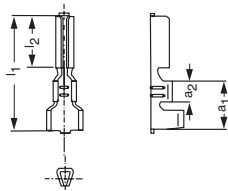


Rundsteckhülsen

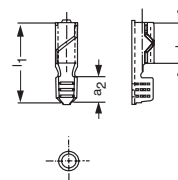
Type 2



Type 3



Type 4

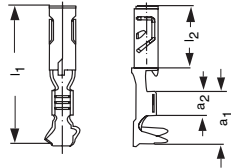


| Type | Wire cross section qmm | Pin diameter | a1 | a2 | l1 | l2 | Mat-erial thick-ness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------|------|------|-------|------|----------------------|-----------------------|---------------|-----------|------------|-----------------|
| 2 | 0.5 - 1.0 | 2.36 | 6.10 | 2.60 | 14.30 | 6.50 | 0.32 | B | 25003.223.004 | CuSn | | L |
| 4 | 0.5 - 1.0 | 2.00 | | 3.20 | 10.00 | 5.00 | 0.30 | B | 25074.213.011 | CuSn | Sn | NQ |
| 3 | 0.5 - 1.0 | 1.30 | 6.10 | 2.60 | 14.30 | 6.50 | 0.25 | B | 25197.123.211 | CuZn | Sn | L |
| 1 | 0.5 - 1.0 | 3.00 | 6.10 | 2.60 | 14.30 | 6.50 | 0.30 | B | 25845.123.204 | CuZn | | L |
| Typ | Nenn-quer-schnitt qmm | Stift-ø | a1 | a2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

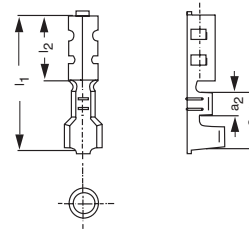
Socket

Rundsteckhülsen

Type 1



Type 2

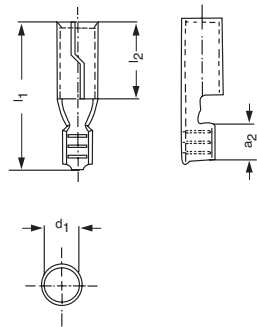


| Type | Wire cross section qmm | Insulation diameter | Pin diameter | a1 | a2 | l1 | l2 | Mat-erial thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------------|--------------|------|------|-------|------|---------------------|-----------------------|----------------------|-----------|------------|----------------|
| 2 | 0.5 - 1.0 | | 2.36 | 6.10 | 2.60 | 14.30 | 6.50 | 0.30 | B | 25681.223.009 | CuSn | | L |
| 1 | 0.5 - 1.0 | 2.1 - 2.7 | 2.50 | 6.50 | 3.00 | 17.00 | 7.60 | 0.30 | B | 26539.201.141 | CuSn | Ag | NQ |
| Typ | Nenn-quer-schnitt qmm | Isol.-ø | Stift-ø | a1 | a2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb-vor-schub |

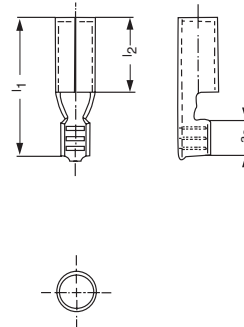
Socket

Rundsteckhülsen

Type 1



Type 2



| Type | Wire cross section qmm | Pin diameter | a2 | d1 | l1 | l2 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal feed |
|------|----------------------------------|--------------|------|------|-------|------|--------------------|----------------------------|--------------------------------|--------------|------------|-------------------------|
| 1 | 0.75 - 1.5 | 3.50 | 3.60 | 3.40 | 14.00 | 7.50 | 0.30 | B | 25052.223.009 25052.223.178 | CuSn CuSn | Sn | NQ |
| 1 | 1.5 - 2.5 | 3.50 | 3.60 | 3.40 | 14.00 | 7.50 | 0.30 | B | 25070.223.009 | CuSn | | NQ |
| 2 | 0.3 - 0.6 | 3.50 | 3.60 | | 14.00 | 7.50 | 0.30 | B | 25356.223.178 | CuSn | Sn | NQ |
| 2 | 2.5 - 4.0 | 3.50 | 3.60 | | 14.00 | 7.50 | 0.30 | B | 25358.223.178 | CuSn | Sn | NQ |
| 2 | 0.75 - 1.5 | 3.50 | 3.60 | | 14.00 | 7.50 | 0.30 | B | 25852.223.009 | CuSn | | NQ |
| Typ | Nenn- quer- schnitt qmm | Stift- ø | a2 | d1 | l1 | l2 | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.- vor- schub |

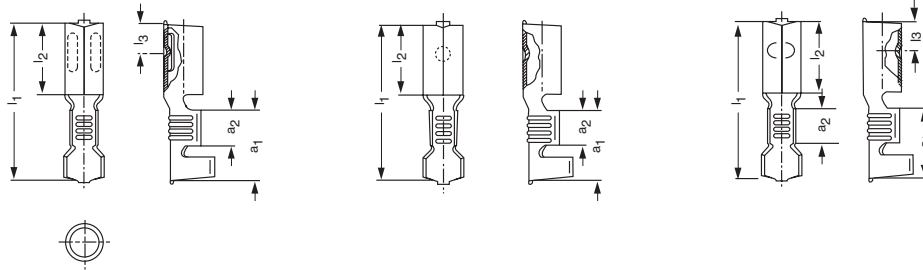
Socket

Rundsteckhülsen

Type 1

Type 2

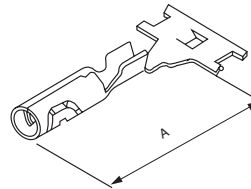
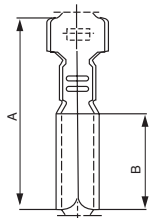
Type 3



| Type | Wire cross section qmm | Pin diameter | a1 | a2 | l1 | l2 | l3 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------|------|------|-------|-------|------|--------------------|-----------------------|---------------|-----------|------------|----------------|
| 1 | 0.5 - 1.0 | 4.00 | 8.00 | 3.50 | 20.00 | 9.00 | 3.70 | 0.35 | B | 25004.223.111 | CuSn | Sn | SQ |
| | | | | | | | | | | 25004.223.141 | CuSn | Ag | |
| 2 | 1.5 - 2.5 | 4.00 | 9.00 | 4.50 | 20.00 | 9.00 | | 0.35 | B | 25386.223.009 | CuSn | | SQ |
| 3 | 1.5 - 2.5 | 4.60 | 5.50 | 3.00 | 20.00 | 10.70 | 6.60 | 0.40 | B | 25456.233.009 | CuSn | | SQ |
| Typ | Nennquerschnitt qmm | Stift-ø | a1 | a2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vorschub |

Type 1

Type 2

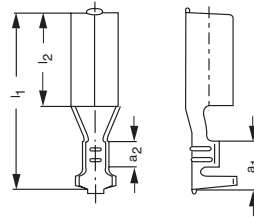


| Type | Wire cross section qmm | A | B | Form E=single B=chain | Part number | Specification | Material | Surface | Terminal feed |
|------|------------------------|------|-----|-----------------------|---------------|----------------|-----------|-------------------|----------------|
| 1 | 0.5 - 1 | 14.3 | 7.2 | B | 25341.417.031 | Rundsteckhülse | Stahl | Ni3 | L |
| 2 | | 18 | | B | 28539.201.141 | Rundsteckhülse | CuSn4 | Ag | NQ |
| 2 | | 18 | | B | 28539.201.702 | Rundsteckhülse | CuSn4 | Ni / Sn / Ni / Au | NQ |
| Typ | Nennquerschnitt qmm | A | B | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vorschub |

Socket

Rundsteckhülsen

Type 1

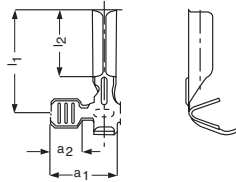


| Type | Wire cross section qmm | Pin standard | a1 | a2 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Material | Terminal feed |
|------|------------------------|--------------|------|------|-------|-------|--------------------|-----------------------------|---------------|-----------|----------------|
| 1 | 0.5 - 1.0 | 4.60 | 5.50 | 3.00 | 20.00 | 10.70 | 0.40 | B | 25458.233.009 | CuSn | SQ |
| 1 | 1.5 - 2.5 | 4.60 | 5.50 | 3.00 | 20.00 | 10.70 | 0.40 | B | 25459.233.009 | CuSn | SQ |
| Typ | Nenn-quer-schnitt qmm | Stift - Ø | a1 | a2 | l1 | l2 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Verb-vor-schub |

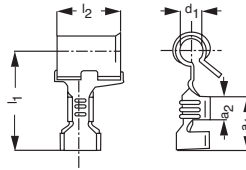
Socket flag type

Rundsteckhülsen mit seitlichem Leiteranschluß

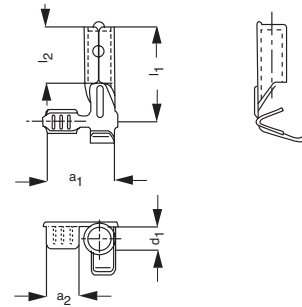
Type 1



Type 2

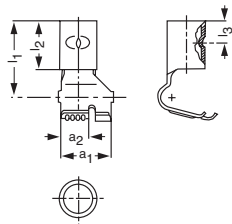


Type 3

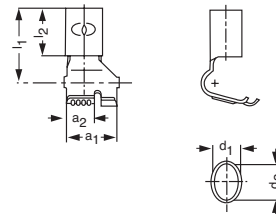


| Type | Wire cross section qmm | Pin diameter | a1 | a2 | d1 | l1 | l2 | Mat-erial thick-ness | Form E=single B=chain | Part number | Material | Surface | Termi-nal feed |
|------|------------------------|--------------|------|------|------|-------|------|----------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5 -1.0 | 2.00 | 7.20 | 3.20 | | 9.00 | 5.00 | 0.30 | B | 25064.417.031 | Stahl | Ni | L |
| 2 | 0.75 - 1.5 | 2.30 | 6.50 | 2.90 | 2.20 | 12.00 | 8.00 | 0.30 | B | 25388.223.009 | CuSn | | L |
| 3 | 0.5 -1.0 | 2.50 | 7.20 | 3.20 | 2.35 | 10.00 | 6.00 | 0.25 | B | 25746.213.031 | CuSn | Ni | L |
| Typ | Nenn-quer-schnitt qmm | Stift-Ø | a1 | a2 | d1 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1



Type 2



| Type | Wire cross section qmm | Pin diameter | a1 | a2 | d1 | d2 | l1 | l2 | l3 | Mat-erial thick-ness | Form E=single B=chain | Part number | Material | Termi-nal feed | Foot-note |
|------|------------------------|--------------|------|------|------|------|-------|------|------|----------------------|-----------------------|---------------|-----------|-----------------|-----------|
| 1 | 0.5 -1.0 | 4.75 | 7.50 | 4.20 | | | 11.00 | 7.00 | 3.20 | 0.44 | B | 25154.213.004 | CuSn | L | |
| 1 | 0.5 -1.0 | 4.75 | 7.50 | 4.20 | | | 11.00 | 7.00 | | 0.44 | B | 25473.213.004 | CuSn | L | *1 |
| 2 | 0.5 -1.0 | 4.00 | 7.50 | 4.20 | 3.50 | 5.20 | 11.00 | 7.00 | | 0.44 | B | 25493.213.004 | CuSn | L | |
| Typ | Nenn-quer-schnitt qmm | Stift-Ø | a1 | a2 | d1 | d2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Verb.-vor-schub | Fuß-note |

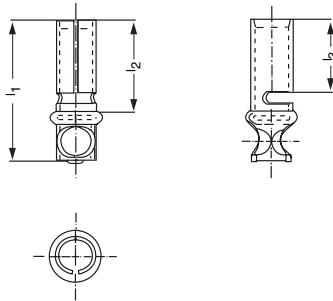
*1 without notch

*1 ohne Rastnöpfe

Sockets
to engage in housings
flag type

Rundsteckhülsen
zum Einrasten in Gehäuse
mit seitlichem Leiteranschluß

Type 1

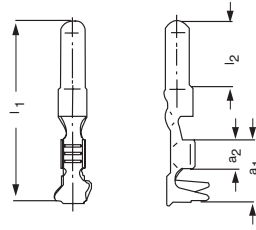


| Type | Pin diameter | I1 | I2 | I3 | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|--------------|-------|------|------|--------------------|-----------------------------|---------------|-----------|------------|
| 1 | 4.00 | 14.50 | 9.60 | 7.40 | 0.40 | E | 17562.123.046 | CuZn | Ag |
| Typ | Stift- Ø | I1 | I2 | I3 | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Pin Connectors

Rundstecker

Type 1

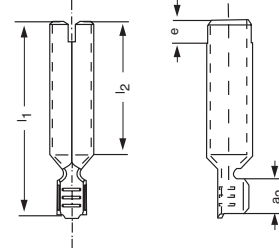
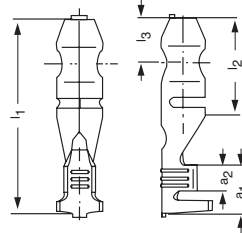
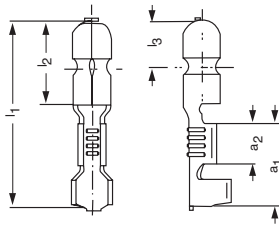


| Type | Wire cross section qmm | Insulation diameter | Pin standard | a1 | a2 | l1 | l2 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|---------------------|--------------|------|------|-------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5 - 1.0 | 2.1 - 2.7 | 2.50 | 6.50 | 3.00 | 18.80 | 7.00 | 0.30 | B | 26538.201.141 | CuSn | Ag | NQ |
| Typ | Nenn-quer-schnitt qmm | Isol.-Ø | Stift-Ø | a1 | a2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1

Type 2

Type 3

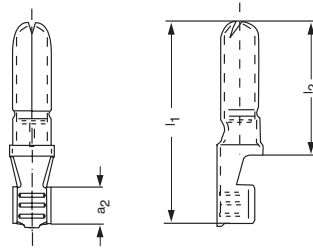


| Type | Wire cross section qmm | Pin standard | a1 | a2 | e | l1 | l2 | l3 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------|------|------|------|-------|-------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 1.5 - 2.5 | 4.00 | 9.00 | 4.50 | | 20.00 | 9.00 | 5.00 | 0.38 | E | 05133.123.009 | CuZn | | |
| 1 | 0.5 - 1.0 | 4.00 | 9.00 | 4.50 | | 20.00 | 9.00 | 5.00 | 0.38 | B | 25038.123.009 | CuZn | | SQ |
| 2 | 0.5 - 1.0 | 4.60 | 5.50 | 3.00 | | 22.00 | 11.00 | 5.00 | 0.44 | B | 25452.123.178 | CuZn | Sn | SQ |
| 2 | 1.5 - 2.5 | 4.60 | 5.50 | 3.00 | | 22.00 | 11.00 | 5.00 | 0.44 | B | 25453.123.178 | CuZn | Sn | SQ |
| 3 | | 4.50 | | 3.50 | 2.10 | 19.30 | 13.30 | | 0.40 | B | 26811.331.179 | CuFe2P | Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | Stift-Ø | a1 | a2 | e | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Pin Connectors

Rundstecker

Type 1

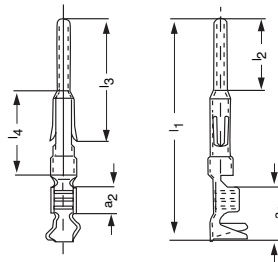


| Type | Wire cross section qmm | Pin standard | a1 | l1 | l2 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------|------|-------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.75 - 1.5 | 3.50 | 3.60 | 19.30 | 12.80 | 0.35 | B | 25053.123.178 | CuZn | Sn | NQ |
| 1 | 1.5 - 2.5 | 3.50 | 3.60 | 19.30 | 12.80 | 0.35 | B | 25071.123.179 | CuZn | Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | Stift - Ø | a1 | l1 | l2 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Pin Connectors to engage in housings

Rundstecker zum Einrasten in Gehäuse

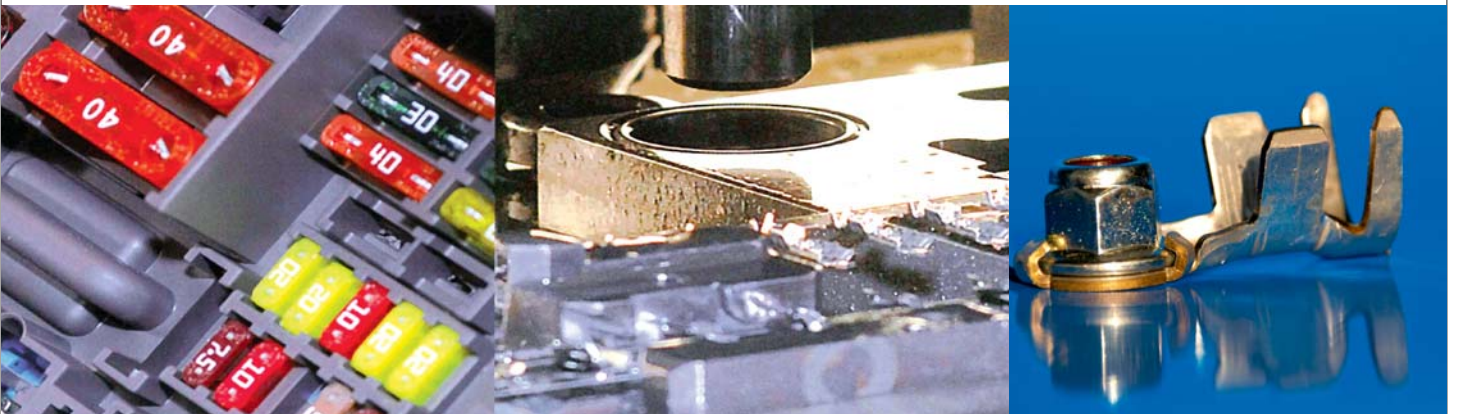
Type 1



| Type | Wire cross section qmm | Pin standard | a1 | a2 | l1 | l2 | l3 | l4 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------|------|------|-------|------|-------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.75 - 1.5 | 1.60 | 6.70 | 3.20 | 27.90 | 9.10 | 15.60 | 8.40 | 0.30 | B | 26004.123.141 | CuZn | Ag | NQ |
| Typ | Nenn-quer-schnitt qmm | Stift - Ø | a1 | a2 | l1 | l2 | l3 | l4 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Claw Terminals

Krallenkabelschuhe



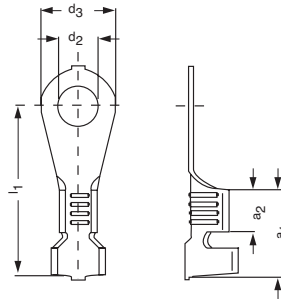
Ring Terminals

DIN 46225 and similar types

Krallenkabelschuhe

Ringform
DIN 46225 und ähnliche Ausführungen

Type 1



| Type | Wire cross section qmm | DIN standard | Nominal size | a1 | a2 | d2 | d3 | l1 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|--------------|--------------|------|------|------|-------|-------|--------------------|-----------------------------|---------------|-----------|------------|-----------------|-----------|
| 1 | 0.5 -1.0 | 46225 Form A | A4-1 | 9.00 | 4.50 | 4.30 | 8.00 | 18.30 | 0.60 | E | 05203.123.011 | CuZn | Sn | | |
| | | | | | | | | | | B | 25203.123.009 | CuZn | Sn | L | |
| | | | | | | | | | | B | 25203.123.011 | CuZn | Sn | | |
| | | | | | | | | | | B | 25203.212.179 | CuSn | Sn | | |
| 1 | 0.5 -1.0 | 46225 Form A | A5-1 | 9.00 | 4.50 | 5.30 | 9.50 | 17.50 | 0.60 | E | 05205.123.003 | CuZn | Sn | | |
| | | | | | | | | | | B | 25205.123.009 | CuZn | Sn | L | |
| | | | | | | | | | | B | 25205.123.011 | CuZn | Sn | | |
| | | | | | | | | | | B | 25205.213.009 | CuSn | Sn | | |
| 1 | 0.5 -1.0 | 46225 Form A | A3-1 | 9.00 | 4.50 | 3.20 | 8.00 | 18.30 | 0.60 | B | 25201.123.009 | CuZn | Sn | L | |
| | | | | | | | | | | B | 25201.123.011 | CuZn | Sn | | |
| | | | | | | | | | | B | 25207.123.011 | CuZn | Sn | L | |
| | | | | | | | | | | B | 25207.123.322 | CuZn | Sn | | |
| 1 | 0.5 -1.0 | 46225 Form A | A6-1 | 9.00 | 4.50 | 6.50 | 12.00 | 22.00 | 0.60 | B | 25207.212.179 | CuSn | Sn | | |
| | | | | | | | | | | B | 25207.213.004 | CuSn | Sn | | |
| | | | | | | | | | | B | 25207.213.011 | CuSn | Sn | | |
| | | | | | | | | | | B | 25207.213.320 | CuSn | Sn | | *1 |
| B | 25207.213.322 | CuSn | Sn | | *1 | | | | | | | | | | |
| Type | Nenn-quer-schnitt qmm | DIN | Nenn-größe | a1 | a2 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

*1 With intermediate layer paper

*1 Mit Papierzwischenlage

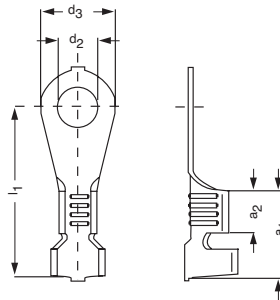
Ring Terminals

DIN 46225 and similar types

Krallenkabelschuhe

Ringform
DIN 46225 und ähnliche Ausführungen

Type 1



| Type | Wire cross section qmm | DIN standard | Nominal size | a1 | a2 | d2 | d3 | l1 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------|--------------|------|------|-------|-------|-------|--------------------|-----------------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5 - 1.0 | 46225 Form A | A8-1 | 9.00 | 4.50 | 8.40 | 14.00 | 21.00 | 0.60 | E | 05209.123.001 | CuZn | | |
| | | | | | | | | | | B | 25209.123.009 | CuZn | | L |
| | | | | | | | | | | B | 25209.123.011 | CuZn | Sn | |
| | | | | | | | | | | B | 25209.212.179 | CuSn | Sn | |
| 1 | 1.5 - 2.5 | 46225 Form A | A4-2.5 | 9.00 | 4.50 | 4.30 | 8.00 | 18.30 | 0.60 | E | 05215.123.011 | CuZn | Sn | |
| | | | | | | | | | | B | 25215.123.009 | CuZn | | L |
| | | | | | | | | | | B | 25215.123.011 | CuZn | Sn | |
| | | | | | | | | | | B | 25215.212.179 | CuSn | Sn | |
| 1 | 0.75 - 1.5 | | | 9.00 | 3.50 | 4.30 | 8.00 | 18.25 | 0.75 | B | 25086.123.011 | CuZn | Sn | L |
| | | | | | | | | | | | | | | |
| 1 | 0.75 - 1.5 | | | 9.50 | 3.50 | 5.30 | 9.50 | 17.50 | 0.75 | B | 25087.123.009 | CuZn | | L |
| | | | | | | | | | | | 25087.123.011 | CuZn | Sn | |
| 1 | 0.5 - 2.5 | | | 9.50 | 3.50 | 8.40 | 14.00 | 21.00 | 0.75 | B | 25089.123.011 | CuZn | Sn | L |
| 1 | 0.75 - 1.5 | 46225 Form A | A10-1 | 9.00 | 4.50 | 10.50 | 18.50 | 24.00 | 0.60 | B | 25211.123.009 | CuZn | | L |
| | | | | | | | | | | | 25211.123.011 | CuZn | Sn | |
| | | | | | | | | | | | 25211.212.179 | CuSn | Sn | |
| 1 | 0.75 - 1.5 | 46225 Form A | A3-2.5 | 9.00 | 4.50 | 3.20 | 8.00 | 18.30 | 0.60 | B | 25213.123.011 | CuZn | Sn | L |
| 1 | 0.5 - 1.0 | | | 9.00 | 4.50 | 13.00 | 18.50 | 24.00 | 0.60 | B | 25226.123.009 | CuZn | | L |
| Typ | Nennquerschnitt qmm | DIN | Nenngröße | a1 | a2 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

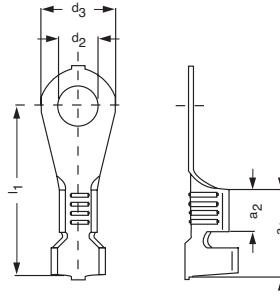
Ring Terminals

DIN 46225 and similar types

Krallenkabelschuhe

Ringform
DIN 46225 und ähnliche Ausführungen

Type 1



| Type | Wire cross section qmm | DIN standard | Nominal size | a1 | a2 | d2 | d3 | l1 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------|--------------|------|------|------|-------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 1.5 -2.5 | 46225 Form A | A5-2.5 | 9.00 | 4.50 | 5.30 | 9.50 | 17.50 | 0.60 | E | 05217.123.011 | CuZn | Sn | |
| | | | | | | | | | | B | 25217.123.009 | CuZn | | L |
| | | | | | | | | | | B | 25217.123.011 | CuZn | Sn | |
| | | | | | | | | | | B | 25217.213.011 | CuSn | Sn | |
| | | | | | | | | | | B | 25217.213.320 | CuSn | | |
| 1 | 1.5 -2.5 | | | 9.00 | 4.50 | 6.50 | 12.00 | 22.00 | 0.60 | E | 05219.123.011 | CuZn | Sn | |
| | | | | | | | | | | B | 25219.123.009 | CuZn | | L |
| | | | | | | | | | | B | 25219.123.011 | CuZn | Sn | |
| | | | | | | | | | | B | 25219.123.322 | CuZn | Sn | |
| | | | | | | | | | | B | 25219.212.179 | CuSn | Sn | |
| | | | | | | | | | | B | 25219.213.004 | CuSn | | |
| | | | | | | | | | | B | 25219.213.011 | CuSn | Sn | |
| | | | | | | | | | | B | 25219.213.320 | CuSn | | |
| B | 25219.213.322 | CuSn | Sn | | | | | | | | | | | |
| 1 | 1.5 -2.5 | | | 9.00 | 4.50 | 8.40 | 14.00 | 21.00 | 0.60 | E | 05221.123.011 | CuZn | Sn | |
| | | | | | | | | | | B | 25221.123.009 | CuZn | | L |
| | | | | | | | | | | B | 25221.123.011 | CuZn | Sn | |
| | | | | | | | | | | B | 25221.212.179 | CuSn | Sn | |
| | | | | | | | | | | B | 25221.213.011 | CuSn | Sn | |
| | | | | | | | | | | B | 25221.214.009 | CuSn | | |
| 1 | 1.5 - 2.5 | | | 9.00 | 4.50 | 6.30 | 9.50 | 17.50 | 0.60 | B | 25167.123.011 | CuZn | Sn | L |
| | | | | | | | | | | B | 25167.123.141 | CuZn | Ag | |
| Typ | Nenn-quer-schnitt qmm | DIN | Nenn-größe | a1 | a2 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

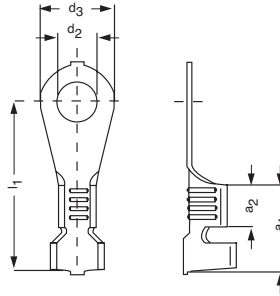
Ring Terminals

DIN 46225 and similar types

Krallenkabelschuhe

Ringform
DIN 46225 und ähnliche Ausführungen

Type 1



| Type | Wire cross section qmm | DIN standard | Nominal size | a1 | a2 | d2 | d3 | l1 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Footnote |
|------|------------------------|--------------|--------------|-------|------|-------|-------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------------|----------|
| 1 | 4.00 - 6.00 | 46225 Form A | A5-6 | 11.00 | 4.50 | 5.30 | 9.50 | 20.50 | 0.80 | E | 05231.123.011 | CuZn | Sn | | |
| | | | | | | | | | | B | 25231.123.011 | CuZn | Sn | L | |
| | | | | | | | | | | B | 25231.212.004 | CuSn | Sn | | |
| | | | | | | | | | | B | 25231.212.011 | CuSn | Sn | | |
| | | | | | | | | | | B | 25231.213.011 | CuSn | Sn | | |
| 1 | 1.5 - 2.5 | | | 9.00 | 4.50 | 10.50 | 18.50 | 24.00 | 0.60 | B | 25223.123.011 | CuZn | Sn | L | |
| | | | | | | | | | | B | 25223.212.179 | CuSn | Sn | | |
| | | | | | | | | | | B | 25223.213.011 | CuSn | Sn | | |
| 1 | 4.00 - 6.00 | 46225 Form A | A4-6 | 11.00 | 4.50 | 4.30 | 8.00 | 21.30 | 0.80 | B | 25229.123.011 | CuZn | Sn | L | |
| | | | | | | | | | | B | 25229.212.179 | CuSn | | | |
| 1 | 4.00 - 6.00 | 46225 Form A | A6-6 | 11.00 | 4.50 | 6.50 | 12.00 | 25.00 | 0.80 | B | 25233.123.009 | CuZn | | L | |
| | | | | | | | | | | B | 25233.123.011 | CuZn | Sn | | |
| | | | | | | | | | | B | 25233.123.178 | CuZn | Sn | | |
| | | | | | | | | | | B | 25233.123.322 | CuZn | Sn | | *1 |
| | | | | | | | | | | B | 25233.212.179 | CuSn | Sn | | |
| | | | | | | | | | | B | 25233.213.004 | CuSn | | | |
| | | | | | | | | | | B | 25233.213.011 | CuSn | Sn | | |
| | | | | | | | | | | B | 25233.213.320 | CuSn | | | *1 |
| B | 25233.213.322 | CuSn | Sn | | *1 | | | | | | | | | | |
| B | 25233.331.011 | CuFe2P | Sn | | | | | | | | | | | | |
| B | 25233.331.322 | CuFe2P | Sn | | | | | | | | | | | | |
| 1 | 4.00 - 6.00 | | | 10.50 | 4.50 | 6.30 | 9.50 | 17.50 | 1.00 | B | 25361.123.011 | CuZn | Sn | L | |
| Type | Nennquerschnitt qmm | DIN | Nenngröße | a1 | a2 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

*1 With intermediate layer paper

*1 Mit Papierzwischenlage

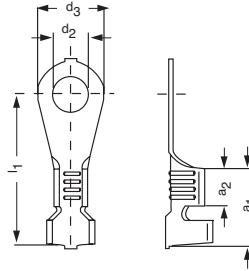
Ring Terminals

DIN 46225 and similar types

Krallenkabelschuhe

Ringform
DIN 46225 und ähnliche Ausführungen

Type 1



| Type | Wire cross section qmm | DIN standard | Nominal size | a1 | a2 | d2 | d3 | l1 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Footnote |
|------|------------------------|--------------|--------------|-------|------|-------|-------|-------|--------------------|-----------------------|--|--------------------------------------|----------------|----------------|----------|
| 1 | 4.00 - 6.00 | 46225 Form A | A8-6 | 11.00 | 4.50 | 8.40 | 14.00 | 24.00 | 0.80 | B B B B B | 25235.123.009 25235.123.011 25235.212.179 25235.213.009 25235.213.011 | CuZn CuZn CuSn CuSn CuSn | Sn Sn Sn | L | |
| 1 | 4.00 - 6.00 | 46225 Form A | A10-6 | 11.00 | 4.50 | 10.50 | 18.50 | 27.00 | 0.80 | B B | 25237.123.011 25237.212.179 | CuZn CuSn | Sn Sn | L | |
| 1 | über 6 - 10 | 46225 Form A | A8-10 | 12.00 | 4.50 | 8.40 | 14.00 | 26.40 | 1.00 | B B | 25247.123.009 25247.123.011 25247.123.322 25247.212.179 | CuZn CuZn CuZn CuSn | Sn Sn Sn | L | *1 |
| 1 | über 6 - 10 | 46225 Form A | A10-10 | 12.00 | 4.50 | 10.50 | 18.50 | 28.50 | | B B B | 25249.123.009 25249.123.011 25249.212.179 | CuZn CuZn CuSn | Sn Sn | L | |
| Typ | Nennquerschnitt qmm | DIN | Nenngröße | a1 | a2 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vor-schub | Fuß-note |

*1 With intermediate layer paper

*1 Mit Papierzwischenlage

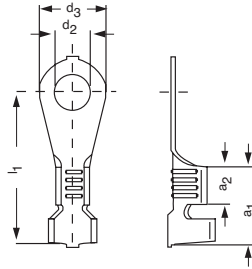
Ring Terminals

DIN 46225 and similar types

Krallenkabelschuhe

Ringform
DIN 46225 und ähnliche Ausführungen

Type 1



| Type | Wire cross section qmm | a1 | a2 | d2 | d3 | l1 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed | Foot note |
|------|------------------------|-------|------|------|-------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------------|-----------|
| 1 | über 6-12 | 12.00 | 4.50 | 5.30 | 9.50 | 24.30 | 1.00 | B | 25243.123.011 | CuZn | Sn | L | |
| | | | | | | | | B | 25243.213.011 | CuSn | Sn | | |
| 1 | über 6-12 | 12.00 | 4.50 | 6.50 | 12.00 | 23.00 | 1.00 | B | 25245.123.011 | CuZn | Sn | L | *1 |
| | | | | | | | | B | 25245.123.322 | CuZn | Sn | | |
| | | | | | | | | B | 25245.212.004 | CuSn | Sn | | |
| | | | | | | | | B | 25245.212.011 | CuSn | Sn | | |
| | | | | | | | | B | 25245.212.179 | CuSn | Sn | | |
| B | 25245.212.320 | CuSn | Sn | | *1 | | | | | | | | |
| Typ | Nenn-quer-schnitt qmm | a1 | a2 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

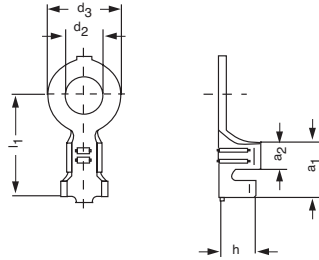
*1 With intermediate layer paper

*1 Mit Papierzwischenlage

Ring Terminals

Krallenkabelschuhe Ringform

Type 1

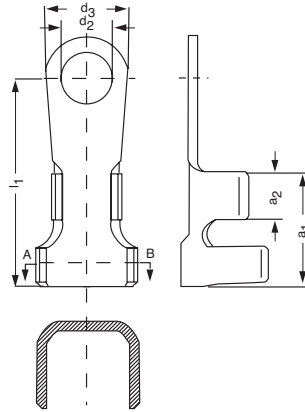


| Type | Wire cross section qmm | a1 | a2 | d2 | d3 | h | l1 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|----------------------------------|------|------|------|------|------|-------|--------------------|----------------------------|---|-----------------------|------------|-------------------------|
| 1 | 0.5 -1.0 | 5.00 | 2.50 | 3.30 | 6.00 | 3.60 | 9.00 | 0.50 | B | 25013.123.011 25013.411.031 | CuZn Stahl | Sn Ni | L |
| 1 | 0.5 -1.0 | 5.00 | 2.50 | 3.80 | 6.00 | 3.60 | 9.00 | 0.50 | B | 25014.123.011 | CuZn | Sn | L |
| 1 | 0.5 -1.0 | 5.00 | 2.50 | 3.30 | 7.00 | 3.60 | 9.50 | 0.50 | B B B | 25022.123.009 25022.123.011 25022.123.041 | CuZn CuZn CuZn | Sn Ag | L |
| 1 | 0.5 -1.0 | 5.00 | 2.50 | 4.30 | 7.00 | 3.60 | 9.50 | 0.50 | B B B | 25024.123.009 25024.123.011 25024.411.131 | CuZn CuZn Stahl | Sn Ni | L |
| 1 | 0.5 -1.0 | 5.00 | 2.50 | 5.30 | 9.00 | 3.60 | 10.50 | 0.50 | B B | 25025.123.009 25025.123.178 | CuZn CuZn | Sn | L |
| 1 | 0.5 -1.0 | 5.00 | 2.50 | 6.30 | 9.00 | 3.60 | 10.50 | 0.50 | B B | 25044.123.009 25044.123.178 | CuZn CuZn | Sn | L |
| 1 | 0.5 -1.0 | 5.00 | 2.50 | 3.20 | 6.00 | 4.50 | 9.00 | 0.50 | B | 25199.123.111 | CuZn | Sn | L |
| 1 | 0.5 -1.0 | 5.00 | 2.50 | 2.20 | 6.00 | 3.60 | 9.00 | 0.50 | B B | 25509.123.009 25509.123.011 | CuZn CuZn | Sn | L |
| Typ | Nenn- quer- schnitt qmm | a1 | a2 | d2 | d3 | h | l1 | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.- vor- schub |

Ring Terminals

Krallenkabelschuhe Ringform

Type 1

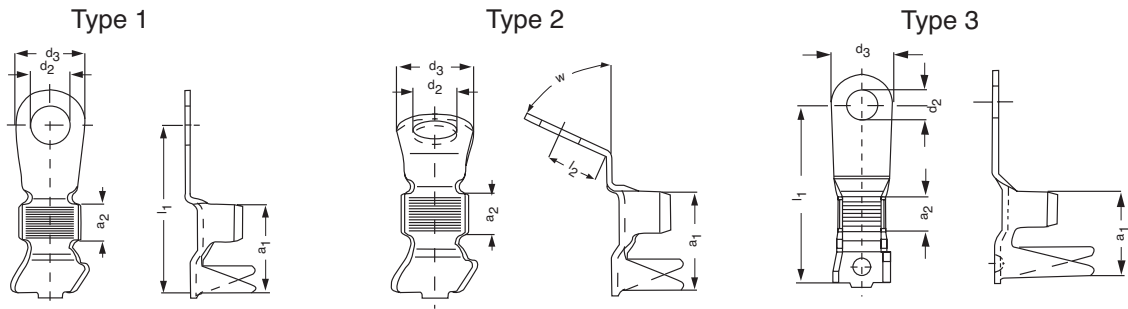


Schnitt A - B

| Type | Wire cross section qmm | a1 | a2 | d2 | d3 | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|------------------------|-------|------|------|-------|-------|--------------------|-----------------------|----------------------|-----------|------------|
| 1 | 16 - 25 | 19.00 | 8.00 | 8.40 | 15.00 | 36.00 | 1.80 | E | 02944.111.025 | CuZn | Sn |
| 1 | 35 | 19.00 | 8.00 | 8.40 | 15.00 | 36.00 | 1.80 | E | 07103.111.025 | CuZn | Sn |
| Typ | Nennquerschnitt qmm | a1 | a2 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

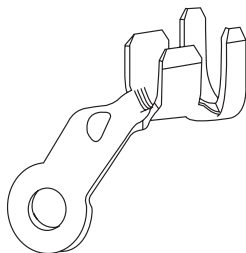
Ring Terminals

Krallenkabelschuhe Ringform

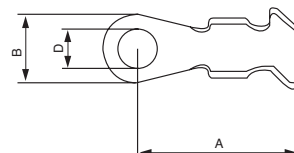


| Type | Wire cross section qmm | a1 | a2 | d2 | d3 | l1 | l2 | W° | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|----------------------------------|-------|------|------|-------|-------|-------|----|--------------------|-----------------------------|---------------|-----------|------------|-------------------------|
| 1 | 16 - 25 | 19.00 | 8.00 | 6.40 | 15.00 | 36.00 | | | 1.20 | E | 05838.212.178 | CuSn | Sn | |
| | | | | | | | | | | B | 25838.212.178 | CuSn | Sn | NQ |
| 1 | 10 - 16 | 19.00 | 8.00 | 8.40 | 15.00 | 36.00 | | | 1.20 | E | 05937.212.178 | CuSn | Sn | |
| | | | | | | | | | | B | 25937.212.178 | CuSn | Sn | NQ |
| 1 | 16 - 25 | 19.00 | 8.00 | 8.40 | 15.00 | 36.00 | | | 1.20 | E | 05938.212.178 | CuSn | Sn | |
| | | | | | | | | | | B | 25938.212.178 | CuSn | Sn | NQ |
| 1 | 10 - 16 | 19.00 | 8.00 | 6.40 | 15.00 | 36.00 | | | 1.20 | E | 06835.212.178 | CuSn | Sn | |
| | | | | | | | | | | B | 26835.212.178 | CuSn | Sn | NQ |
| 2 | 16 - 25 | 19.00 | 8.00 | 8.40 | 15.00 | | 11.60 | 90 | 1.20 | E | 08076.212.178 | CuSn | Sn | |
| 1 | 25 - 35 | 19.00 | 8.00 | 8.40 | 15.00 | 36.00 | | | 1.20 | B | 25939.212.178 | CuSn | Sn | NQ |
| 3 | 10 - 16 | 19.00 | 8.00 | 6.40 | 12.00 | 35.00 | | | 1.20 | B | 28105.212.178 | CuSn | Sn | NQ |
| Typ | Nenn- quer- schnitt qmm | a1 | a2 | d2 | d3 | l1 | l2 | W° | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.- vor- schub |

Type 1



Type 2

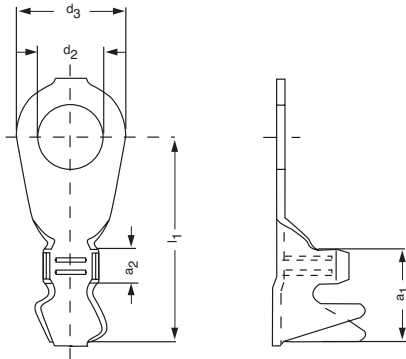


| Type | A | B | D | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal feed |
|------|------|----|-----|-----------------------------|---------------|---------------|-----------|------------|-------------------------|
| 1 | | | | E | 12119.111.111 | Kabelschuh | CuZn | Sn | |
| 2 | 37.2 | 15 | 6.4 | B | 28240.212.178 | Kabelschuh | CuSn | Sn | NQ |
| Typ | A | B | D | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.- vor- schub |

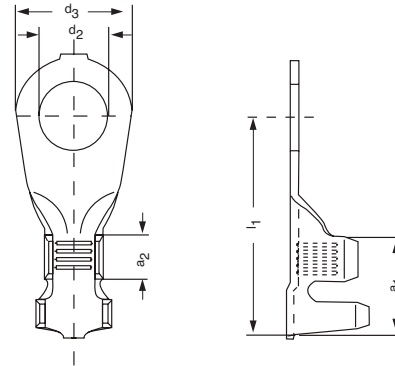
Ring Terminals

Krallenkabelschuhe Ringform

Type 1



Type 2



| Type | Wire cross section qmm | a1 | a2 | d2 | d3 | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|------------------------|-------|------|------|-------|-------|--------------------|-----------------------------|---------------|-----------|------------|-----------------|-----------|
| 1 | 6.0 - 10.0 | 12.00 | 4.50 | 8.40 | 14.00 | 26.50 | 1.00 | B | 25168.212.178 | CuZn | Sn | L | |
| | | | | | | | | B | 25168.331.011 | CuFe2P | Sn | | |
| | | | | | | | | B | 25168.331.322 | CuFe2P | Sn | | *1 |
| 2 | 6.0 - 8.0 | 12.00 | 5.50 | 8.40 | 14.00 | 26.50 | 1.00 | B | 25923.212.004 | CuSn | | L | |
| 1 | 6.0 - 10.0 | 12.00 | 4.50 | 8.40 | 14.00 | 26.50 | 1.00 | B | 25936.212.178 | CuSn | Sn | L | |
| Typ | Nenn-quer-schnitt qmm | a1 | a2 | d2 | d3 | l1 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

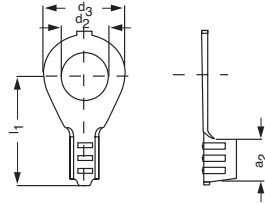
*1 With intermediate layer paper

*1 Mit Papierzwischenlage

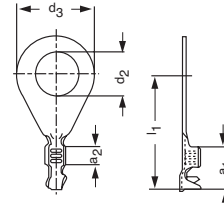
Ring Terminals

Krallenkabelschuhe Ringform

Type 1



Type 2

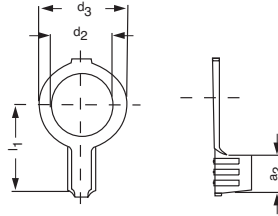


| Type | Wire cross section qmm | a1 | a2 | d2 | d3 | l1 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|------|------|------|-------|-------|--------------------|-----------------------|----------------------|-----------|------------|-----------------|
| 1 | 4.00 - 6.00 | | 6.00 | 5.30 | 10.00 | 15.00 | 1.00 | B | 25111.111.011 | CuZn | Sn | L |
| 1 | 0.5 - 1.0 | | 3.50 | 3.20 | 6.00 | 10.00 | 0.60 | B | 25142.123.011 | CuZn | Sn | L |
| 1 | 1.5 - 2.5 | | 5.00 | 5.30 | 9.00 | 11.50 | 0.50 | B | 25173.123.011 | CuZn | Sn | L |
| 1 | 1.5 - 2.5 | | 5.00 | 4.30 | 9.00 | 11.50 | 0.50 | B | 25467.123.011 | CuZn | Sn | L |
| 2 | 0.35 | 6.50 | 3.00 | 6.50 | 12.00 | 17.50 | 0.38 | B | 25688.201.009 | CuSn | | NQ |
| Typ | Nenn-quer-schnitt qmm | a1 | a2 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Ring Terminals

Krallenkabelschuhe Ringform

Type 1

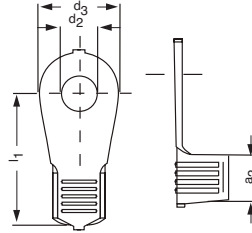


| Type | Wire cross section qmm | a2 | d2 | d3 | l1 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|------|------|------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5 - 1.0 | 3.20 | 4.10 | 6.80 | 6.90 | 0.50 | B | 25028.123.011 | CuZn | Sn | L |
| 1 | 0.5 - 1.0 | 2.00 | 3.20 | 5.50 | 5.20 | 0.50 | B | 25292.123.009 | CuZn | | L |
| 1 | 0.5 - 1.0 | 2.00 | 2.60 | 5.50 | 5.20 | 0.50 | B | 25384.123.031 | CuZn | Ni | L |
| Typ | Nennquerschnitt qmm | a2 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Ring Terminals

Krallenkabelschuhe Ringform

Type 1

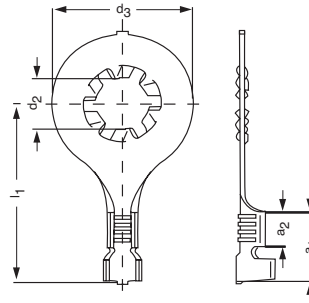


| Type | Wire cross section qmm | a2 | d2 | d3 | l1 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|------|------|-------|-------|--------------------|-----------------------------|---------------|-----------|------------|-----------------|
| 1 | 4.00 - 6.00 | 6.00 | 4.05 | 10.00 | 15.00 | 1.00 | B | 25820.111.011 | CuZn | Sn | L |
| Typ | Nenn-quer-schnitt qmm | a2 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Ring Terminals for ground connection

Krallenkabelschuhe Ringform für Masseanschluß

Type 1



| Type | Wire cross section qmm | a1 | a2 | d2 | d3 | l1 | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|-------|------|-------|-------|-------|--------------------|-----------------------|--------------------------------|---------------------|------------|-----------------|
| 1 | 0.5 - 1.0 | 9.00 | 4.50 | 5.30 | 12.00 | 22.00 | 0.60 | B | 25791.214.012 | CuSn | Sn | L |
| 1 | 1.5 - 2.5 | 9.00 | 4.50 | 6.50 | 18.50 | 24.00 | 0.60 | B | 25800.214.012 | CuSn | Sn | L |
| 1 | 0.5 - 1.0 | 9.00 | 4.50 | 6.50 | 18.50 | 24.00 | 0.60 | B | 25801.214.012 | CuSn | Sn | L |
| 1 | 1.5 - 2.5 | 9.00 | 4.50 | 5.30 | 12.00 | 22.00 | 0.60 | B | 25803.214.012 25803.417.011 | CuSn ST 4 K40 RP | Sn Sn | L |
| 1 | 1.5 - 2.5 | 9.00 | 4.50 | 8.40 | 18.50 | 24.00 | 0.60 | B | 25804.214.012 | CuSn | Sn | L |
| 1 | 4.00 - 6.00 | 11.00 | 4.50 | 5.30 | 12.00 | 25.00 | 0.80 | B | 25806.214.012 | CuSn | Sn | L |
| 1 | 4.00 - 6.00 | 11.00 | 4.50 | 6.50 | 18.50 | 27.00 | 0.80 | B | 25807.214.012 | CuSn | Sn | L |
| 1 | 4.00 - 6.00 | 11.00 | 4.50 | 8.40 | 18.50 | 27.00 | 0.80 | B | 25808.214.012 | CuSn | Sn | L |
| 1 | 0.5 - 1.0 | 9.00 | 4.50 | 8.40 | 18.50 | 24.00 | 0.60 | B | 25809.214.012 | CuSn | Sn | L |
| 1 | 4.00 - 6.00 | 11.00 | 4.50 | 10.50 | 18.50 | 27.00 | 0.80 | B | 25810.214.012 | CuSn | Sn | L |
| Typ | Nenn-quer-schnitt qmm | a1 | a2 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

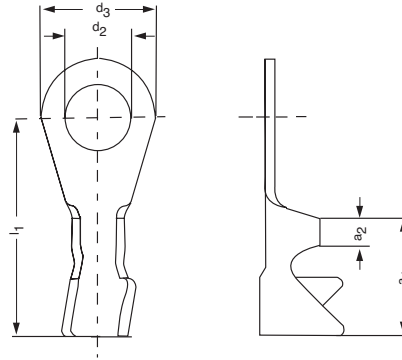
Ring Terminals

for soldering
DIN 46236 and similar types

Krallenkabelschuhe

Ringform zum Anlöten
DIN 46236 und ähnliche Ausführungen

Type 1



| Type | Wire cross section qmm | DIN standard | Nominal size | a1 | a2 | d2 | d3 | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|------------------------|--------------|--------------|-------|------|-------|-------|-------|--------------------|-----------------------|--------------------------------|-----------|------------|
| 1 | 10 | 46236 FormA | A5X4.5 | 12.50 | 3.00 | 5.30 | 9.50 | 22.00 | 1.20 | E | 00535.111.025 | CuZn | Sn |
| 1 | 10 | 46236 FormA | A6X4.5 | 12.50 | 3.00 | 6.50 | 12.00 | 23.00 | 1.20 | E | 00536.111.011 00536.111.025 | CuZn | Sn |
| 1 | 10 | 46236 FormA | A8X4.5 | 12.50 | 3.00 | 8.40 | 14.00 | 25.00 | 1.20 | E | 00537.111.025 | CuZn | Sn |
| 1 | 0.5 - 2.5 | 46236 FormA | A4X2.3 | 12.50 | 3.00 | 4.30 | 8.00 | 21.00 | 0.75 | E | 02086.111.025 | CuZn | Sn |
| 1 | 0.5 - 2.5 | 46236 FormA | A5X2.3 | 12.50 | 3.00 | 5.30 | 9.50 | 22.00 | 0.75 | E | 02087.111.025 | CuZn | Sn |
| 1 | 0.5 - 2.5 | 46236 FormA | A6X2.3 | 12.50 | 3.00 | 6.50 | 12.00 | 23.00 | 0.75 | E | 02088.111.025 | CuZn | Sn |
| 1 | 0.5 - 2.5 | 46236 FormA | A8X2.3 | 12.50 | 3.00 | 8.40 | 14.00 | 25.00 | 0.75 | E | 02089.111.025 | CuZn | Sn |
| 1 | 0.5 - 2.5 | 46236 FormA | A12X2.3 | 12.50 | 3.00 | 13.00 | 18.50 | 27.00 | 0.75 | E | 02092.111.025 | CuZn | Sn |
| 1 | 4.00 - 6.00 | 46236 FormA | A5X3.4 | 12.50 | 3.00 | 5.30 | 9.50 | 22.00 | 1.00 | E | 02097.111.025 | CuZn | Sn |
| 1 | 4.00 - 6.00 | 46236 FormA | A6X3.4 | 12.50 | 3.00 | 6.50 | 12.00 | 23.00 | 1.00 | E | 02098.111.025 | CuZn | Sn |
| 1 | 4.00 - 6.00 | 46236 FormA | A8X3.4 | 12.50 | 3.00 | 8.40 | 14.00 | 25.00 | 1.00 | E | 02099.111.025 | CuZn | Sn |
| 1 | 4.00 - 6.00 | 46236 FormA | A10X3.4 | 12.50 | 3.00 | 10.50 | 18.50 | 27.00 | 1.00 | E | 02101.111.025 | CuZn | Sn |
| Typ | Nenn-quer-schnitt qmm | DIN | Nenn-größe | a1 | a2 | d2 | d3 | l1 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

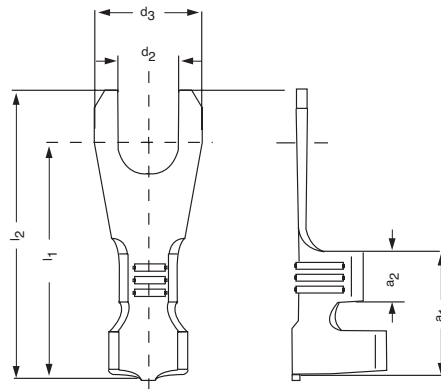
Ring Terminals

DIN 46225 and similar types

Krallenkabelschuhe

Laschenform offen
DIN 46225 und ähnliche Ausführungen

Type 1



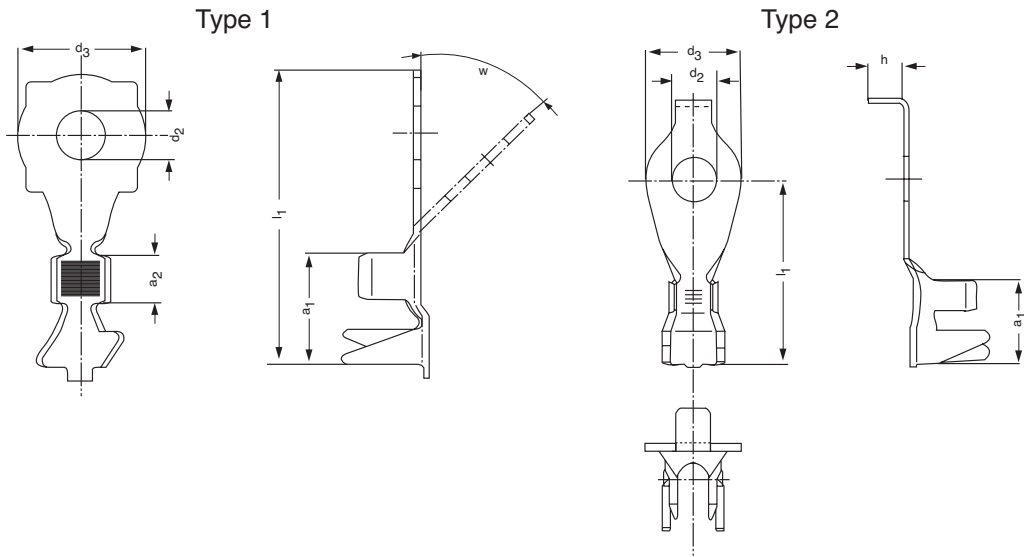
| Type | Wire cross section qmm | DIN standard | Nominal size | a1 | a2 | d2 | d3 | l1 | l2 | Mat-erial thickness | Form E=Single B=chain | Part number | Material | Surface | Ter- minal Feed |
|------|-------------------------|--------------|--------------|-------|------|------|------|-------|-------|---------------------|-----------------------|---------------|-----------|------------|-------------------|
| 1 | 0.5 -1.0 | 46225 Form B | 4.0- 1.0 | 8.75 | 4.50 | 4.30 | 8.00 | 18.00 | 21.75 | 0.60 | B | 25204.123.011 | CuZn | Sn | L |
| 1 | 1.5 - 2.5 | 46225 Form B | 4.0 - 2.5 | 8.75 | 4.50 | 4.30 | 8.00 | 18.00 | 21.75 | 0.60 | B | 25216.123.011 | CuZn | Sn | L |
| 1 | 1.5 - 2.5 | 46225 Form B | 5.0 - 2.5 | 8.75 | 4.50 | 5.30 | 9.50 | 17.25 | 21.75 | 0.60 | B | 25218.123.011 | CuZn | Sn | L |
| 1 | 4.00 - 6.00 | 46225 Form B | 4.0 - 6.0 | 10.75 | 4.50 | 4.30 | 8.00 | 21.00 | 24.75 | 0.80 | B | 25230.123.011 | CuZn | Sn | L |
| Typ | Nenn- quer- schnitt qmm | DIN | Nenn- gröÙe | a1 | a2 | d2 | d3 | l1 | l2 | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.- vor- schub |

Claw Terminals

special types

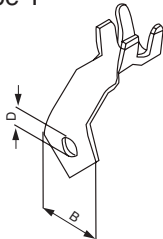
Krallenkabelschuhe

in Sonderausführungen

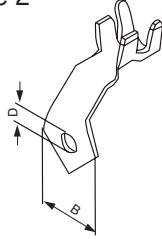


| Type | Wire cross section qmm | a1 | a2 | d2 | d3 | h | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|-------|------|------|-------|------|-------|--------------------|-----------------------|---------------|-----------|------------|----------------|
| 1 | 10.0 - 16.0 | 19.00 | 8.00 | 8.40 | 21.00 | | 50.00 | 1.20 | E | 06837.111.178 | CuZn | Sn | |
| 2 | 6.0 - 10.0 | 12.00 | | 6.40 | 14.00 | 5.00 | 26.00 | 1.00 | B | 25721.213.190 | CuSn | Sn | NQ |
| Typ | Nennquerschnitt qmm | a1 | a2 | d2 | d3 | h | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verbo-vorschub |

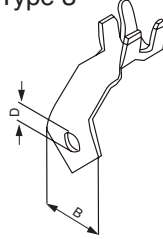
Type 1



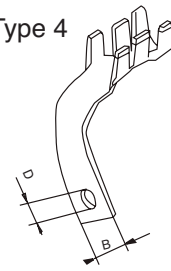
Type 2



Type 3



Type 4

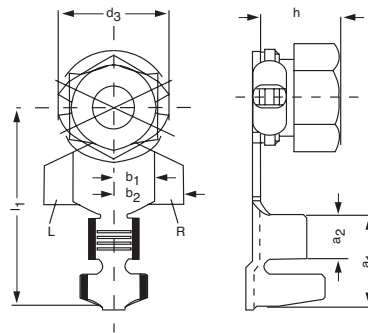


| Type | Wire cross section qmm | B | D | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed |
|------|------------------------|----|-----|-----------------------|---------------|----------------|-----------|------------|----------------|
| 1 | 25-41 | 27 | 8.4 | B | 12837.212.111 | Kabelschuh 8-4 | CuSn6 | Sn | NQ |
| 2 | 25-41 | 27 | 8.4 | B | 12852.212.111 | Kabelschuh 8-4 | CuSn6 | Sn | NQ |
| 3 | 25-41 | 27 | 8.4 | B | 12940.212.111 | Kabelschuh 8-4 | CuSn6 | Sn | NQ |
| 4 | 25-35 | 20 | 8.4 | B | 12827.212.111 | Kabelschuh 8/9 | CuSn6 | Sn | NQ |
| Typ | Nennquerschnitt qmm | B | D | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verbo-vorschub |

Claw Terminals with nut for bolt connection

Krallenkabelschuhe mit Mutter für Gewindebolzen

Type 1



| Type | Wire cross section qmm | a1 | a2 | b1 | b2 | d3 | h | I1 | Material thickness | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed | Foot-note |
|------|------------------------|------|------|------|------|-------|------|-------|--------------------|-----------------------|---------------|---------------|-----------|------------|-----------------|-----------|
| 1 | 0.75 - 1.5 | 7.70 | 4.00 | 5.50 | | 12.00 | 8.50 | 22.00 | 0.80 | B | 25630.212.179 | Kabelschuh M5 | CuSn | Sn | NQ | *1 |
| 1 | 0.75 - 1.5 | 7.70 | 4.00 | 5.50 | | 12.00 | 8.50 | 21.70 | 0.80 | B | 26407.212.179 | Kabelschuh M4 | CuSn | Sn | NQ | *1 |
| 1 | 0.75 - 1.5 | 7.70 | 4.00 | 5.50 | | 12.00 | 8.50 | 21.70 | 0.80 | B | 26408.212.179 | Kabelschuh M5 | CuSn | Sn | NQ | *1 |
| 1 | 0.75 - 1.5 | 7.70 | 4.00 | | 7.80 | 12.00 | 8.50 | 22.00 | 0.80 | B | 26713.122.179 | Kabelschuh M5 | CuZn | Sn | NQ | *2 |
| 1 | 0.75 - 1.5 | 7.70 | 4.00 | 5.50 | | 12.00 | 8.50 | 21.70 | 0.80 | B | 28072.212.179 | Kabelschuh M6 | CuSn | Sn | NQ | *1 |
| 1 | 0.75 - 1.5 | 7.70 | 4.00 | 5.50 | | 12.00 | 8.50 | 21.70 | 0.80 | B | 28075.122.179 | Kabelschuh M6 | CuZn | Sn | NQ | *1 |
| Typ | Nennquerschnitt qmm | a1 | a2 | b1 | b2 | d3 | h | I1 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

*1 Without keying

*2 Keying L

*1 Ohne Kodierung

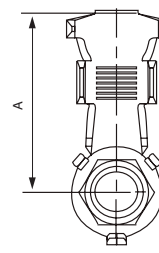
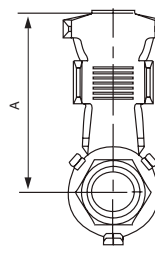
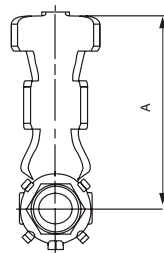
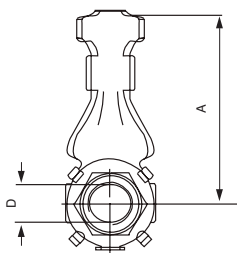
*2 Kodierung L

Type 1

Type 2

Type 3

Type 4



| Type | Wire cross section qmm | A | D | Material thickness | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed |
|------|------------------------|------|----|--------------------|-----------------------|---------------|---------------|-----------|------------|-----------------|
| 1 | | 25 | M5 | 0.8 | B | 28135.331.179 | Kabelschuh M5 | CuFe2P | Sn | NQ |
| 1 | | 33 | M5 | 1.2 | B | 28333.331.179 | Kabelschuh M5 | CuFe2P | Sn | NQ |
| 1 | | 25 | M5 | 0.8 | B | 28334.331.179 | Kabelschuh M5 | CuFe2P | Sn | NQ |
| 1 | 6-10 | 26 | M5 | | B | 28335.331.179 | Kabelschuh M5 | CuFe2P | Sn | NQ |
| 2 | | | | | B | 28134.331.179 | Kabelschuh M6 | CuFe2P | Sn | NQ |
| 3 | | 27.5 | | | B | 28124.122.179 | Kabelschuh M6 | CuZn30 | Sn | NQ |
| 4 | | 27.5 | | | B | 28171.122.179 | Kabelschuh M6 | CuZn30 | Sn | NQ |
| Typ | Nennquerschnitt qmm | a1 | a2 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

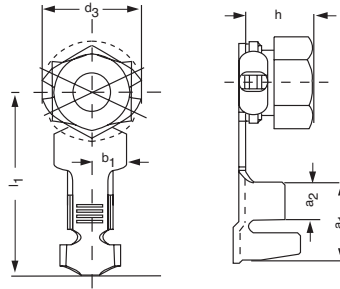
Claw Terminals

with nut for bolt connection

Krallenkabelschuhe

mit Mutter für Gewindebolzen

Type 1



| Type | Wire cross section qmm | a1 | a2 | b1 | d3 | h | l1 | Material thickness | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed |
|------|------------------------|------|------|------|-------|------|-------|--------------------|-----------------------|---------------|---------------|-----------|------------|----------------|
| 1 | 1.5 - 2.5 | 9.00 | 4.50 | 4.50 | 12.00 | 8.50 | 22.00 | 0.80 | B | 25248.212.179 | Kabelschuh M5 | CuSn | Sn | NQ |
| 1 | 1.5 - 2.5 | 9.00 | 4.50 | 4.50 | 12.00 | 8.50 | 22.00 | 0.80 | B | 25360.212.179 | Kabelschuh M4 | CuSn | Sn | NQ |
| 1 | 1.5 - 2.5 | 9.00 | 4.50 | 4.50 | 12.00 | 8.50 | 22.00 | 0.80 | B | 26718.212.179 | Kabelschuh M5 | CuSn | Sn | NQ |
| 1 | 1.5 - 2.5 | 9.00 | 4.50 | 4.50 | 12.00 | 8.50 | 22.00 | 0.80 | B | 26738.122.179 | Kabelschuh M6 | CuZn | Sn | NQ |
| 1 | 1.5 - 2.5 | 9.00 | 4.50 | 4.50 | 12.00 | 8.50 | 21.70 | 0.80 | B | 28071.212.179 | Kabelschuh M6 | CuSn | Sn | NQ |
| Typ | Nennquerschnitt qmm | a1 | a2 | b1 | d3 | h | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vorschub |

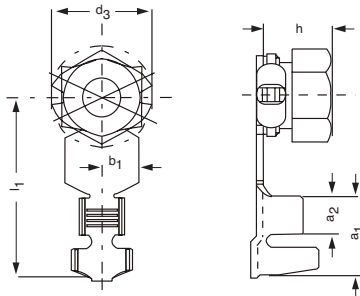
Claw Terminals

with nut for bolt connection

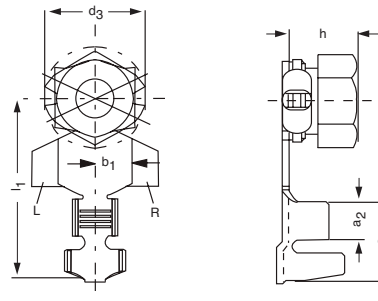
Krallenkabelschuhe

mit Mutter für Gewindebolzen

Type 1



Type 2



| Type | Wire cross section qmm | a1 | a2 | b1 | d3 | h | l1 | Material thickness | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed | Foot-note |
|------|------------------------|-------|------|------|-------|------|-------|--------------------|-----------------------|---------------|---------------|-----------|------------|----------------|-----------|
| 1 | 2.5 - 4.0 | 8.50 | 4.50 | 4.50 | 12.50 | 8.50 | 22.00 | 0.80 | B | 26123.212.178 | Kabelschuh M6 | CuSn | Sn | NQ | *2 |
| 1 | 2.5 - 4.0 | 8.50 | 4.50 | 4.50 | 12.50 | 8.50 | 22.00 | 0.80 | B | 26328.212.179 | Kabelschuh M6 | CuSn | Sn | NQ | *1 |
| 2 | 4.0 - 6.0 | 10.00 | 4.50 | 4.50 | 12.00 | 8.50 | 22.00 | 0.80 | B | 26739.122.179 | Kabelschuh M6 | CuZn | Sn | NQ | *1 |
| Typ | Nennquerschnitt qmm | a1 | a2 | b1 | d3 | h | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vorschub | Fuß-note |

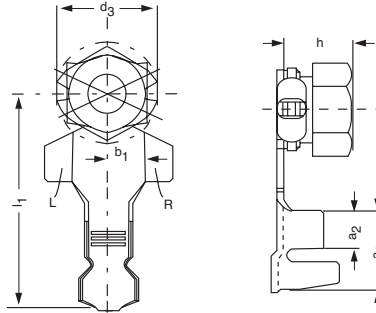
*1 Without keying
*2 Keying in front

*1 Ohne Kodierung
*2 Kodierung vorne

Claw Terminals with nut for bolt connection

Krallenkabelschuhe mit Mutter für Gewindebolzen

Type 1



| Type | Wire cross section qmm | a1 | a2 | b1 | d3 | h | l1 | Material thickness | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed | Foot-note |
|------|------------------------|-------|------|------|-------|------|-------|--------------------|-----------------------|--|--------------------------------|--------------|------------|-----------------|-----------|
| 1 | 6.00 - 10.00 | 12.00 | 5.50 | 4.50 | 12.50 | 8.50 | 27.00 | 1.00 | B | 26721.122.179 26721.212.179 | Kabelschuh M6 Kabelschuh M6 | CuZn CuSn | Sn Sn | NQ | *1 *1 |
| 1 | 6.00 - 10.00 | 12.00 | 5.50 | 4.50 | 12.50 | 8.50 | 27.00 | 1.00 | B | 26741.122.179 | Kabelschuh M6 | CuZn | Sn | NQ | *1 |
| 1 | 6.00 - 10.00 | 12.00 | 5.50 | 4.50 | 12.50 | 8.50 | 27.00 | 1.00 | B | 26745.122.179 26745.212.179 | Kabelschuh M5 Kabelschuh M5 | CuZn CuSn | Sn Sn | NQ | *1 *1 |
| Typ | Nenn-quer-schnitt qmm | a1 | a2 | b1 | d3 | h | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

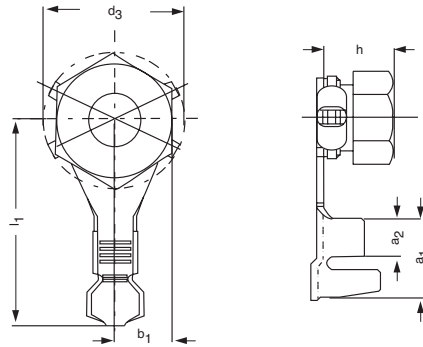
*1 Without keying

*1 Ohne Kodierung

Claw Terminals with nut for bolt connection

Krallenkabelschuhe mit Mutter für Gewindebolzen

Type 1



| Type | Wire cross section qmm | a1 | a2 | b1 | d3 | h | l1 | Material thickness | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed |
|------|------------------------|-------|------|------|-------|-------|-------|--------------------|-----------------------|---------------|---------------|-----------|------------|-----------------|
| 1 | 6.00 - 10.00 | 14.00 | 6.50 | 4.50 | 15.50 | 10.00 | 27.00 | 1.00 | B | 26306.212.179 | Kabelschuh M8 | CuSn | Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | a1 | a2 | b1 | d3 | h | l1 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

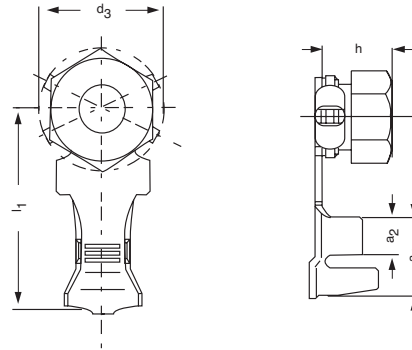
Claw Terminals

with nut for bolt connection

Krallenkabelschuhe

mit Mutter für Gewindebolzen

Type 1

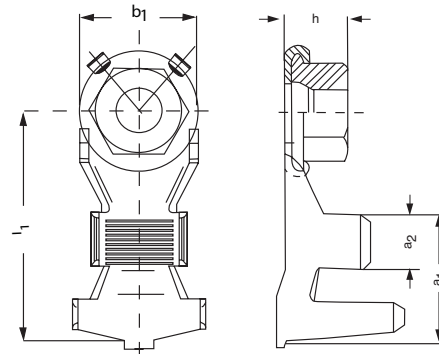


| Type | Wire cross section qmm | a1 | a2 | d3 | h | l1 | Material thickness | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed |
|------|------------------------|------|------|-------|------|-------|--------------------|-----------------------|---------------|---------------|-----------|------------|-----------------|
| 1 | 3.00 - 6.00 | 9.00 | 4.00 | 12.00 | 8.50 | 21.70 | 0.80 | B | 25020.212.179 | Kabelschuh M5 | CuSn | Sn | NQ |
| Typ | Nennquerschnitt qmm | a1 | a2 | d3 | h | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

Claw Terminals with nut for bolt connection

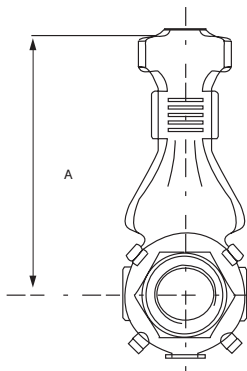
Krallenkabelschuhe mit Mutter für Gewindebolzen

Type 1

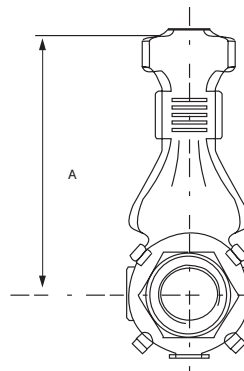


| Type | Wire cross section qmm | a1 | a2 | b1 | h | l1 | Mat-erial thick-ness | Form E=Single B=chain | Part number | Specification | Material | Surface | Ter-minal Feed |
|------|------------------------|-------|------|-------|------|-------|----------------------|-----------------------|----------------------|---------------|-----------|------------|-----------------|
| 1 | 16.0 - 25.0 | 19.00 | 8.00 | 13.80 | 9.50 | 34.50 | 1.20 | E | 08018.122.179 | Kabelschuh M6 | CuZn | Sn | |
| | | | | | | | | B | 28018.122.179 | Kabelschuh M6 | CuZn | Sn | NQ |
| 1 | 16.0 - 25.0 | 19.00 | 8.00 | 16.90 | 9.50 | 34.50 | 1.20 | B | 28024.122.179 | Kabelschuh M8 | CuZn | Sn | NQ |
| 1 | 25.0 - 35.0 | 19.00 | 8.00 | 16.50 | 9.50 | 34.50 | 1.20 | B | 28042.201.178 | Kabelschuh M8 | CuSn | Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | a1 | a2 | b1 | h | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1



Type 2



| Type | A | Form E=Single B=chain | Part number | Specification | Material | Surface | Ter-minal Feed |
|------|-------|-----------------------|----------------------|---------------|-----------|------------|-----------------|
| 1 | 27.50 | B | 28117.122.179 | Kabelschuh M6 | CuZn30 | Sn | NQ |
| 2 | 27.50 | B | 28179.122.179 | Kabelschuh M6 | CuSn30 | Sn | NQ |
| Typ | A | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

Claw Terminals

special types

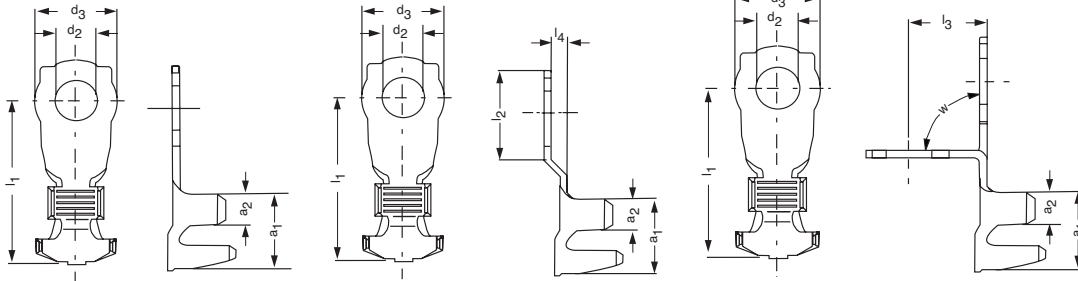
Krallenkabelschuhe

in Sonderausführungen

Type 1

Type 2

Type 3

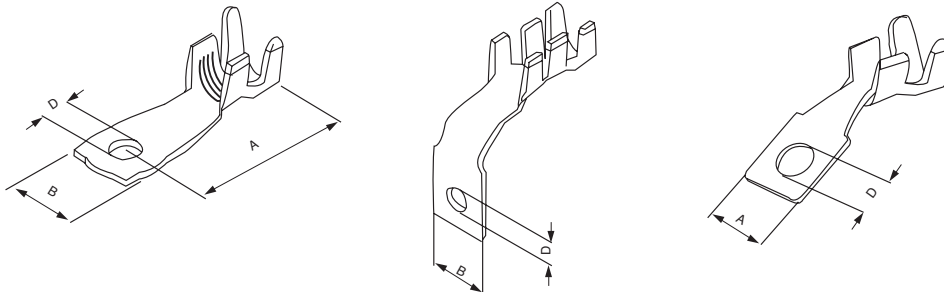


| Type | Wire cross section qmm | a1 | a2 | d2 | d3 | l1 | l2 | l3 | l4 | W° | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|-------|------|-------|-------|-------|-------|-------|------|----|--------------------|-----------------------|----------------------|-----------|------------|-----------------|
| 1 | 25.0 - 35.0 | 19.00 | 9.00 | 8.40 | 21.00 | 46.00 | | | | | 1.80 | E | 05401.111.111 | CuZn | Sn | |
| | | | | | | | | | | | | B | 25401.111.111 | CuZn | Sn | NQ |
| 1 | 16.0 - 25.0 | 19.00 | 9.00 | 8.40 | 21.00 | 46.00 | | | | | 1.80 | E | 05963.111.111 | CuZn | Sn | |
| 2 | 25.0 - 35.0 | 19.00 | 9.00 | 8.40 | 21.00 | 46.00 | 22.00 | | 6.00 | | 1.80 | B | 08081.111.111 | CuZn | Sn | NQ |
| 3 | 35.0 - 55.0 | 19.00 | 9.00 | 8.40 | 21.00 | 46.00 | | 19.00 | | 90 | 1.80 | E | 12454.111.111 | CuZn | Sn | |
| 3 | 16 + 35 | 19.00 | 9.00 | 8.40 | 21.00 | 46.00 | | 23.00 | | 90 | 1.80 | E | 12481.111.111 | CuZn | Sn | |
| 1 | 25.0 - 35.0 | 19.00 | 9.00 | 10.50 | 21.00 | 46.00 | | | | | 1.80 | B | 25745.111.111 | CuZn | Sn | NQ |
| 1 | 10.0 - 16.0 | 19.00 | 9.00 | 10.50 | 21.00 | 46.00 | | | | | 1.80 | B | 28019.111.111 | CuZn | Sn | NQ |
| Type | Nennquerschnitt qmm | a1 | a2 | d2 | d3 | l1 | l2 | l3 | l4 | W° | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1

Type 2

Type 3



| Type | Wire cross section qmm | A | B | D | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed |
|------|------------------------|----|------|-----|-----------------------|----------------------|----------------|-----------|------------|-----------------|
| 1 | | 46 | 21 | 8.4 | | 08108.111.111 | Kabelschuh 8-3 | CuZn | Sn | |
| 2 | 25 | | 19.9 | 8.4 | B | 12782.212.111 | Kabelschuh 8/9 | CuSn6 | Sn | NQ |
| 3 | 10-16 mm | 16 | | 8.4 | B | 28186.201.178 | Kabelschuh 8-1 | CuSn4 | Sn | NQ |
| Type | Nennquerschnitt qmm | A | B | D | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

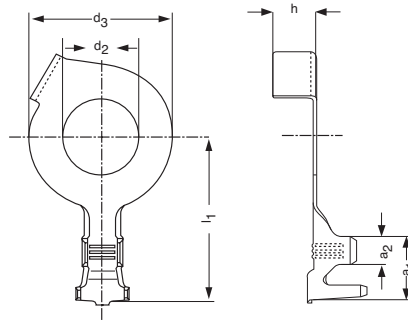
Claw Terminals

special types

Krallenkabelschuhe

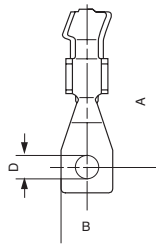
in Sonderausführungen

Type 1

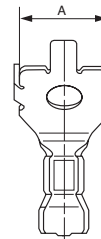


| Type | Wire cross section qmm | a1 | a2 | d3 | h | l1 | Mat-erial thick-ness | Form E=Single B=chain | Part number | Material | Surface |
|------|------------------------|------|------|-------|------|-------|----------------------|-----------------------|---------------|-----------|------------|
| 1 | 3.15 - 6.0 | 9.00 | 4.00 | 20.00 | 6.00 | 23.50 | 0.70 | E | 12488.143.011 | CuZn | Sn |
| Typ | Nenn-quer-schnitt qmm | a1 | a2 | d3 | h | l1 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

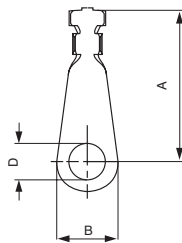
Type 1



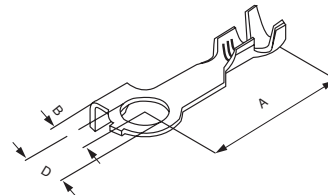
Type 2



Type 3



Type 4



| Type | Wire cross section qmm | A | B | D | Mat-erial thick-ness | Form E=Single B=chain | Part number | Specification | Material | Surface | Ter-minal Feed |
|------|------------------------|-------|----|-----|----------------------|-----------------------|---------------|----------------|-----------|------------|-----------------|
| 1 | 10-16 mm ² | 36 | 12 | 5.4 | | B | 28154.212.178 | Kabelschuh 5-1 | CuSn | Sn | NQ |
| 2 | 1.2-2.5 | 10.5 | | | | B | 28184.201.178 | Kabelschuh 4/5 | CuSn | Sn | NQ |
| 3 | 0.75 | 23.45 | 7 | 6.4 | 0.6 | B | 28257.213.179 | Kabelschuh 6-2 | CuSn | Sn | L |
| 4 | | 35 | 12 | 6.4 | 1 | B | 28369.201.179 | Kabelschuh 6-1 | CuSn | Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | A | B | D | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

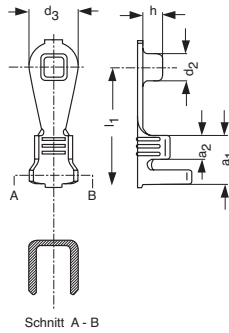
Claw Terminals

special types

Krallenkabelschuhe

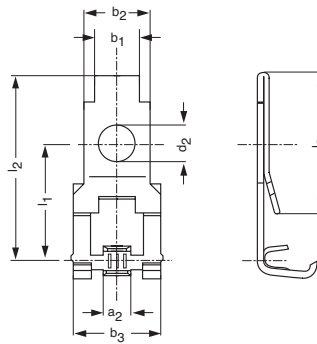
in Sonderausführungen

Type 1



| Type | Wire cross section qmm | a1 | a2 | d2 | d3 | h | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Terminal Feed |
|------|------------------------|------|------|------|------|------|-------|--------------------|-----------------------|---------------|-----------|-----------------|
| 1 | 0.5 - 1.0 | 6.00 | 3.00 | 3.50 | 6.00 | 2.50 | 14.50 | 0.50 | B | 25583.111.111 | CuZn | L |
| Typ | Nenn-quer-schnitt qmm | a1 | a2 | d2 | d3 | h | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Verb.-vor-schub |

Type 1



| Type | Wire cross section qmm | a2 | b1 | b2 | b3 | d2 | l1 | l2 | l3 | Material thickness | Form E=Single B=chain | Part number | Material | Terminal Feed | Foot-note |
|------|------------------------|------|------|------|-------|------|-------|-------|-------|--------------------|-----------------------|---------------|-----------|-----------------|-----------|
| 1 | 0.75 - 1.5 | 3.20 | 6.00 | 7.50 | 10.00 | 4.50 | 12.70 | 20.70 | 16.00 | 0.60 | B | 25581.123.009 | CuZn | SQ | *1 |
| Typ | Nenn-quer-schnitt qmm | b1 | a2 | b2 | b3 | d2 | l1 | l2 | l3 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Verb.-vor-schub | Fuß-note |

*1 Side way feed right

*1 Einlauf der Kontakte in das Crimpwerkzeug von rechts

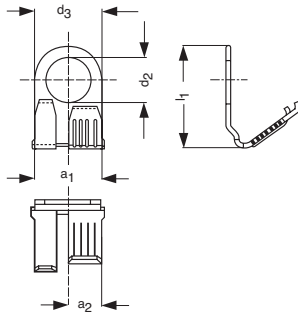
Flag Type Terminals

ring type with lateral crimping area

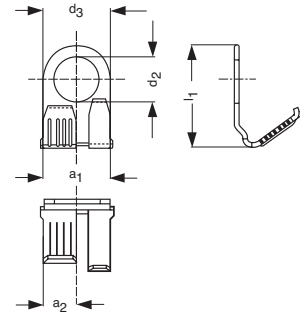
Kabelschuhe

Laschenform mit seitlichem Leiteranschluß

Type 1



Type 2



| Type | Wire cross section qmm | a1 | a2 | d2 | d3 | l1 | Mat-erial thick-ness | Form E=Single B=chain | Part number | Material | Surface | Termi-nal Feed | Foot-note |
|------|------------------------|------|------|------|------|-------|----------------------|-----------------------|----------------------|-----------|------------|-----------------|-----------|
| 2 | 0.5 - 1.5 | 7.50 | 4.00 | 5.20 | 8.00 | 13.00 | 0.50 | B | 25391.123.111 | CuZn | Sn | L | *1 |
| 1 | 0.5 - 1.5 | 7.50 | 4.00 | 4.20 | 8.00 | 13.00 | 0.50 | B | 25478.123.111 | CuZn | Sn | L | |
| 1 | 0.5 - 1.5 | 7.50 | 4.00 | 5.20 | 8.00 | 13.00 | 0.50 | B | 25479.123.111 | CuZn | Sn | L | |
| Typ | Nenn-quer-schnitt qmm | a1 | a2 | d2 | d3 | l1 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

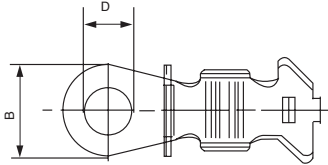
*1 Terminal feed: flag right hand

*1 Einlauf der Kontakte: Fahne rechts

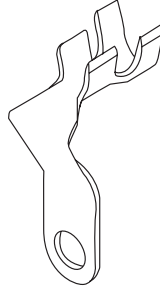
Claw Terminals special types

Krallenkabelschuhe in Sonderausführungen

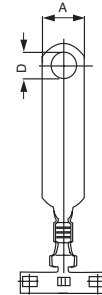
Type 1



Type 2



Type 3

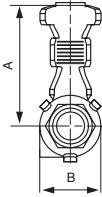


| Type | Wire cross section qmm | A | B | D | Mat-erial thickness | Form E=Single B=chain | Part number | Specification | Material | Surface | Ter- minal Feed |
|------|----------------------------------|---|----|-----|---------------------|----------------------------|---------------|-----------------------|-----------|------------|------------------------|
| 1 | | | 15 | 6.4 | | | 05405.212.178 | Kabelschuh 6-2 | CuSn | Sn | |
| 2 | 10-16 | | | | 1.2 | B | 12836.201.178 | Kabelschuh 8-1 | CuSn | Sn | NQ |
| 3 | | 9 | | 5.4 | 0.6 | B | 28209.331.179 | Kabelschuh 5-2 | CuSn | Sn | NQ |
| Typ | Nenn- quer- schnitt qmm | A | B | D | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb- vor- schub |

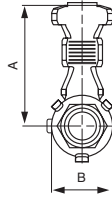
Claw Terminals with nut for bolt connection

Krallenkabelschuhe mit Mutter für Gewindebolzen

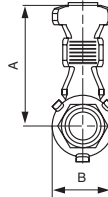
Type 1



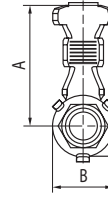
Type 2



Type 3

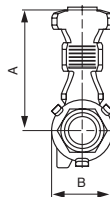


Type 4

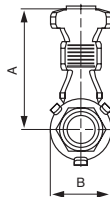


| Type | A | B | Ma- terial thick- ness | Form E=Single B=chain | Part number | Specification | Material | Surface | Ter- minal Feed |
|------|------|------|---------------------------------|-----------------------------|----------------|---------------|-----------|------------|------------------------|
| 1 | 27.5 | 14.2 | 1.2 | B | 28118.122.179 | Kabelschuh M6 | CuZn | Sn | NQ |
| 2 | 27.5 | 14.2 | 1.2 | B | 28119.122.179 | Kabelschuh M6 | CuZn | Sn | NQ |
| 3 | 27.5 | 14.2 | 1.2 | B | 28120.122.179 | Kabelschuh M6 | CuZn | Sn | NQ |
| 4 | 27.5 | 14.2 | 1.2 | B | 28140.122.179 | Kabelschuh M6 | CuZn | Sn | NQ |
| Typ | A | B | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb- vor- schub |

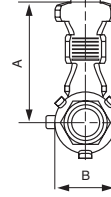
Type 1



Type 2



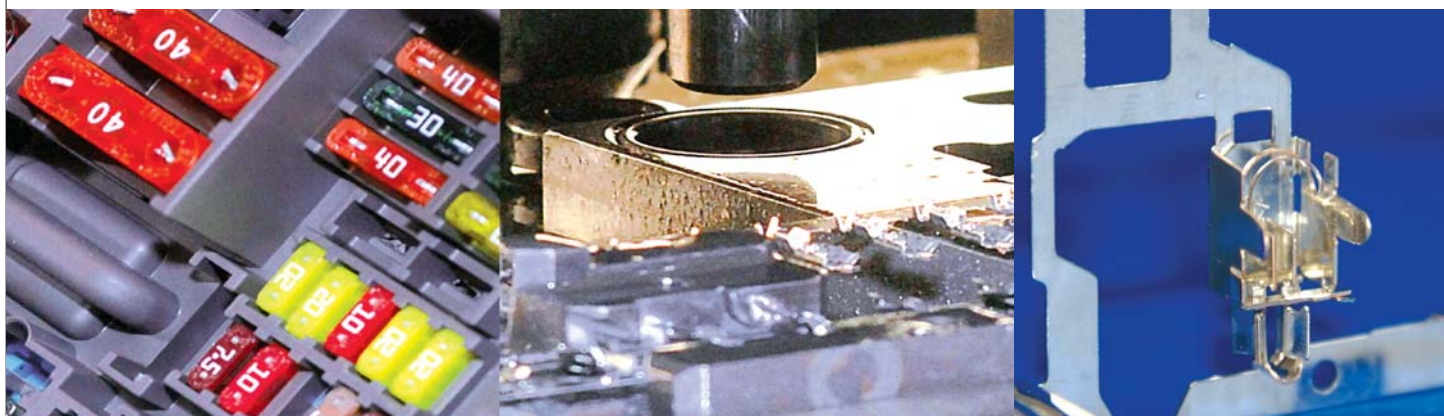
Type 3



| Type | A | B | Ma- terial thick- ness | Form E=Single B=chain | Part number | Specification | Material | Surface | Ter- minal Feed |
|------|------|------|---------------------------------|-----------------------------|----------------|---------------|-----------|------------|------------------------|
| 1 | 27.5 | 14.2 | 1.2 | B | 28173.122.179 | Kabelschuh M6 | CuZn | Sn | NQ |
| 2 | 27.5 | 14.2 | 1.2 | B | 28175.122.179 | Kabelschuh M6 | CuZn | Sn | NQ |
| 3 | 27.5 | 14.2 | 1.2 | B | 28358.122.179 | Kabelschuh M6 | CuZn | Sn | NQ |
| Typ | A | B | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb- vor- schub |

**Terminal Ends, Clips, Spring Terminals,
Edge Connectors, Special Pressed Parts**

**Aderendhülsen, Clips, Federkontakte,
Randkontakte, Sonderstanzteile**



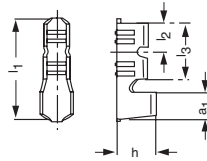
Terminal Ends

DIN 46228 and similar types

Aderendhülsen

DIN 46228 und ähnliche Ausführungen

Type 1

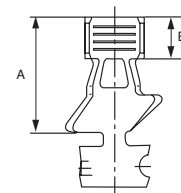
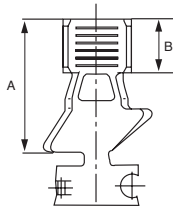
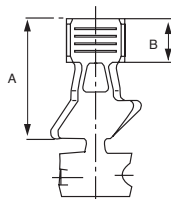


| Type | Wire cross section qmm | DIN standard | Nominal size | a1 | h | I1 | I2 | I3 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|---------------------|--------------|------|------|-------|------|------|--------------------|-----------------------|---|-----------------------|------------|-----------------|
| 1 | 0.5-1.0 | 46228 Teil 2 Form B | B1.4 | 2.50 | 3.80 | 11.00 | 3.50 | 7.00 | 0.30 | B B B | 25128.112.009 25128.112.178 25128.411.131 | CuZn CuZn Stahl | Sn Ni | L |
| 1 | 1.5 | 46228 Teil 2 Form B | B1.8 | 2.50 | 4.50 | 11.00 | 3.50 | 7.00 | 0.30 | B B B | 25136.112.009 25136.112.178 25136.411.131 | CuZn CuZn Stahl | Sn Ni | L |
| 1 | 2.5 | 46228 Teil 2 Form B | B2.3 | 2.50 | 5.20 | 11.00 | 3.50 | 7.00 | 0.30 | B B | 25568.112.009 25568.411.131 | CuZn Stahl | Ni | L |
| Type | Nennquerschnitt qmm | DIN | Nenngröße | a1 | h | I1 | I2 | I3 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1

Type 2

Type 3



| Type | A | B | Material thickness | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed |
|------|------|-----|--------------------|-----------------------|---------------|-----------------------|-----------|------------|-----------------|
| 1 | 12.5 | 4.7 | 0.8 | B | 28141.201.178 | Aderendhülse 4 - 4.7 | CuSn4 | FrSn2 +2 | NQ |
| 2 | 12.5 | 4.8 | 0.8 | B | 28142.201.178 | Aderendhülse 6 - 4.8 | CuSn4 | FrSn2 +2 | NQ |
| 3 | 15.0 | 6.3 | | B | 28143.201.178 | Aderendhülse 10 - 6.3 | CuSn4 | FrSn2 +2 | NQ |
| Type | A | B | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

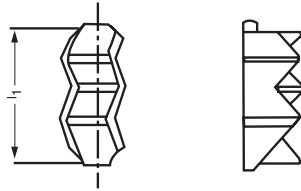
Terminal Ends

DIN 46228 and similar types

Aderendhülsen

DIN 46228 und ähnliche Ausführungen

Type 1



| Type | Wire cross section qmm | DIN standard | Nominal size | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed | Foot-note |
|------|------------------------|---------------------------|--------------|------|--------------------|-----------------------|--|-----------------------|------------|-----------------|-----------|
| 1 | 1.5 | 46228 Teil 3 Form D | D1.5-7.0 | 6.00 | 0.25 | B B | 25783.123.009 25783.123.178 | CuZn CuZn | Sn | L | |
| 1 | 0.5 - 1.0 | 46228 Teil 3 Form D | D1.0-7.0 | 6.00 | 0.25 | B B B | 25787.123.009 25787.123.178 25787.411.131 | CuZn CuZn Stahl | Sn Ni | L | |
| 1 | 0.5 - 1.0 | 46228 Teil 3 Form D | D1.0-7.0 | 6.00 | 0.25 | B B | 25915.123.009 25915.123.178 | CuZn CuZn | Sn | L | *1 |
| 1 | 1.5 | 46228 Teil 3 Form D | D1.5-7.0 | 6.00 | 0.25 | B | 25916.123.009 | CuZn | | L | *1 |
| Typ | Nenn-quer-schnitt qmm | DIN | Nenn-größe | l1 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

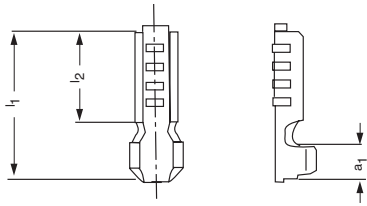
*1 For fully automatic crimping machines

*1 Zur Verarbeitung auf Vollautomaten

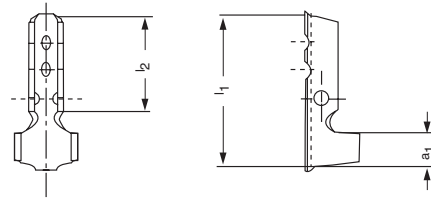
Terminal Ends

Aderendhülsen

Type 1



Type 2



| Type | Wire cross section qmm | a1 | l1 | l2 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed | Foot-note |
|------|------------------------|------|------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|-----------|
| 2 | 0.28 - 0.8 | 2.50 | 8.50 | 5.30 | 0.30 | B | 25132.123.009 | CuZn | | L | *2 |
| 1 | 0.5 - 1.0 | 2.50 | 7.00 | 3.00 | 0.30 | B | 25362.112.178 | CuZn | Sn | L | |
| 2 | 0.28 - 0.8 | 2.00 | 8.00 | 5.30 | 0.30 | B | 25424.123.009 | CuZn | | L | *2 |
| 1 | 0.1 - 0.3 | 1.50 | 6.50 | 4.00 | 0.25 | B | 25725.123.179 | CuZn | Sn | L | *1 |
| | | | | | | B | 25725.213.179 | CuSn | Sn | L | *1 |
| Typ | Nenn-quer-schnitt qmm | a1 | l1 | l2 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

*1 PC boards, hole- ϕ 1.3 mm

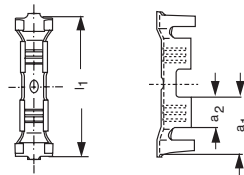
*2 For enamelled wire 0.28 - 0.8 mm diameter

*1 Für gedruckte Schaltungen, Loch- ϕ 1.3 mm

*2 Für Lackdraht- ϕ 0.28 - 0.8 mm

Butt Connector

Stoßverbinder

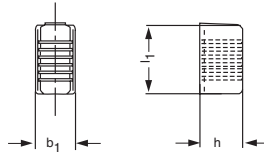


| Type | Wire cross section qmm | a1 | a2 | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|------------------------|------|------|-------|--------------------|-----------------------|---------------|-----------|------------|
| 1 | 0.5 - 1.0 | 7.20 | 4.00 | 18.00 | 0.38 | E | 48025.201.178 | CuSn | Sn |
| 1 | 1.5 - 2.5 | 7.20 | 4.00 | 18.00 | 0.38 | E | 48026.201.178 | CuSn | Sn |
| 1 | 4.00 - 6.00 | 8.00 | 4.50 | 18.00 | 0.38 | E | 48027.201.178 | CuSn | Sn |
| 1 | 0.2 - 0.35 | 5.50 | 3.20 | 18.00 | 0.38 | E | 48067.201.178 | CuSn | Sn |
| Typ | Nenn-quer-schnitt qmm | a1 | a2 | l1 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Clips

Clips

Type 1

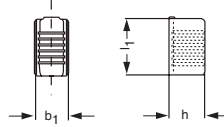


| Type | Wire cross section qmm | b1 | h | l1 | Ma-terial thick-ness | Form E=Single B=chain | Part number | Material | Surface | Ter-minal Feed |
|------|------------------------|------|------|-------|----------------------|-----------------------|--|-------------------------------|----------------|-----------------|
| 1 | 0.14 - 0.25 | 1.60 | 1.80 | 2.40 | 0.30 | B | 25751.123.009 | CuZn | | NQ |
| 1 | 0.14 - 0.25 | 1.60 | 1.80 | 6.40 | 0.30 | B | 25753.123.178 | CuZn | Sn | NQ |
| 1 | 0.3 - 0.6 | 2.70 | 2.50 | 2.40 | 0.30 | B | 25756.123.009 | CuZn | | NQ |
| 1 | 0.3 - 0.6 | 2.70 | 2.50 | 4.00 | 0.30 | B B | 25757.123.009 25757.123.178 | CuZn CuZn | Sn | NQ |
| 1 | 0.3 - 0.6 | 2.70 | 2.50 | 6.40 | 0.30 | B B | 25758.123.009 25758.123.178 | CuZn CuZn | Sn | NQ |
| 1 | 0.5 - 1.0 | 2.50 | 2.60 | 2.40 | 0.30 | B | 25761.123.009 | CuZn | | NQ |
| 1 | 0.5 - 1.0 | 2.50 | 2.60 | 4.00 | 0.30 | B B B | 25762.123.009 25762.123.178 25762.411.131 | CuZn CuZn Stahl | Sn Ni | NQ |
| 1 | 0.5 - 1.0 | 2.50 | 2.60 | 6.40 | 0.30 | B B | 25763.123.009 25763.123.178 | CuZn CuZn | Sn | NQ |
| 1 | 0.5 - 1.0 | 2.50 | 2.60 | 8.00 | 0.30 | B | 25764.123.009 | CuZn | | NQ |
| 1 | 0.75 - 1.5 | 3.20 | 3.20 | 2.40 | 0.30 | B | 25861.123.009 | CuZn | | NQ |
| 1 | 0.75 - 1.5 | 3.20 | 3.20 | 4.00 | 0.30 | B B | 25862.123.009 25862.123.178 | CuZn CuZn | Sn | NQ |
| 1 | 0.75 - 1.5 | 3.20 | 3.20 | 6.40 | 0.30 | B B B B | 25863.123.009 25863.123.178 25863.213.111 25863.411.131 | CuZn CuZn CuSn Stahl | Sn Sn Ni | NQ |
| 1 | 0.75 - 1.5 | 3.20 | 3.20 | 8.00 | 0.30 | B | 25864.123.009 | CuZn | | NQ |
| 1 | 0.75 - 1.5 | 3.20 | 3.20 | 10.40 | 0.30 | B | 25865.123.178 | CuZn | Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | b1 | h | l1 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Clips

Clips

Type 1

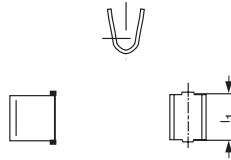


| Type | Wire cross section qmm | b1 | h | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|------|------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 1.5 - 2.5 | 3.60 | 4.00 | 4.00 | 0.38 | B | 25767.123.009 | CuZn | | NQ |
| | | | | | | B | 25767.123.178 | CuZn | Sn | |
| 1 | 1.5 - 2.5 | 3.60 | 4.00 | 6.40 | 0.38 | B | 25768.123.009 | CuZn | | NQ |
| | | | | | | B | 25768.123.178 | CuZn | Sn | |
| | | | | | | B | 25768.213.111 | CuSn | Sn | |
| | | | | | | B | 25768.411.131 | Stahl | Ni | |
| 1 | 1.5 - 2.5 | 3.60 | 4.00 | 10.40 | 0.38 | B | 25770.123.009 | CuZn | | NQ |
| | | | | | | B | 25770.123.178 | CuZn | Sn | |
| | | | | | | B | 25770.201.178 | CuSn | Sn | |
| | | | | | | B | 25770.213.178 | CuSn | Sn | |
| 1 | 4.00 - 6.00 | 5.40 | 5.90 | 4.00 | 0.50 | B | 25772.123.009 | CuZn | | NQ |
| | | | | | | B | 25772.123.178 | CuZn | Sn | |
| 1 | 4.00 - 6.00 | 5.40 | 5.90 | 6.40 | 0.50 | B | 25773.123.009 | CuZn | | NQ |
| | | | | | | B | 25773.123.178 | CuZn | Sn | |
| | | | | | | B | 25773.213.111 | CuSn | Sn | |
| 1 | 4.00 - 6.00 | 5.40 | 5.90 | 8.00 | 0.50 | B | 25774.123.178 | CuZn | Sn | NQ |
| 1 | 4.00 - 6.00 | 5.40 | 5.90 | 10.40 | 0.50 | B | 25775.123.009 | CuZn | | NQ |
| | | | | | | B | 25775.123.178 | CuZn | Sn | |
| | | | | | | B | 25775.201.178 | CuSn | Sn | |
| 1 | 10 | 6.80 | 8.40 | 6.40 | 0.60 | B | 25778.123.009 | CuZn | | NQ |
| 1 | 10 | 6.80 | 8.40 | 10.40 | 0.60 | B | 25780.123.009 | CuZn | | NQ |
| | | | | | | B | 25780.123.178 | CuZn | Sn | |
| | | | | | | B | 25780.201.178 | CuSn | Sn | |
| 1 | 2.5 - 4.0 | 4.20 | 5.00 | 6.40 | 0.44 | B | 25929.123.009 | CuZn | | NQ |
| | | | | | | B | 25929.123.178 | CuZn | Sn | |
| 1 | 2.5 - 4.0 | 4.20 | 5.00 | 8.00 | 0.44 | B | 25930.411.131 | Stahl | Ni | NQ |
| 1 | 2.5 - 4.0 | 4.20 | 5.00 | 10.40 | 0.44 | B | 25931.123.178 | CuZn | Sn | NQ |
| | | | | | | B | 25931.201.178 | CuSn | Sn | |
| Typ | Nenn-quer-schnitt qmm | b1 | h | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Clips

Clips

Type 1

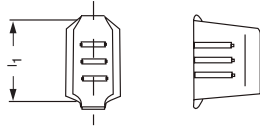


| Type | Wire cross section qmm | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|-------|--------------------|-----------------------------|---------------|-----------|------------|----------------|
| 1 | 4.00 - 6.00 | 6.00 | 0.50 | B | 22156.111.111 | CuZn | Sn | L |
| 1 | 1.5 - 2.5 | 3.50 | 0.38 | B | 25077.123.009 | CuZn | | L |
| | | | | B | 25077.123.178 | CuZn | Sn | |
| | | | | B | 25077.411.131 | Stahl | Ni | |
| 1 | 0.5 - 1.0 | 1.50 | 0.30 | B | 25131.123.009 | CuZn | | L |
| | | | | B | 25131.123.142 | CuZn | Ag | |
| | | | | B | 25131.123.178 | CuZn | Sn | |
| | | | | B | 25131.211.111 | CuSn | Sn | |
| | | | | B | 25131.411.131 | Stahl | Ni | |
| 1 | 1.5 - 2.5 | 1.50 | 0.30 | B | 25258.123.009 | CuZn | | L |
| | | | | B | 25258.123.178 | CuZn | Sn | |
| | | | | B | 25258.211.111 | CuSn | Sn | |
| | | | | B | 25258.411.131 | Stahl | Ni | |
| 1 | 2.5 | 2.80 | 0.30 | B | 25440.123.009 | CuZn | | L |
| | | | | B | 25440.123.111 | CuZn | Sn | |
| | | | | B | 25440.411.131 | Stahl | Ni | |
| 1 | 10.0 - 16.0 | 10.40 | 1.20 | B | 28107.201.178 | CuSn | Sn | NQ |
| Typ | Nennquerschnitt qmm | l1 | Mat.dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vor-schub |

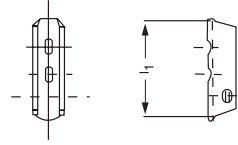
Clips

Clips

Type 1



Type 2



| Type | Wire cross section qmm | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed | Foot-note |
|------|------------------------|------|--------------------|-----------------------|---|-----------------------|------------|-----------------|-----------|
| 1 | 0.5 - 1.0 | 8.50 | 0.38 | B | 25324.411.131 | Stahl | Ni | L | |
| 1 | 0.2 - 0.5 | 3.70 | 0.30 | B B B | 25375.123.009 25375.123.178 25375.411.131 | CuZn CuZn Stahl | Sn Ni | L | |
| 2 | 0.11 - 0.33 | 6.00 | 0.30 | B | 25486.123.009 | CuZn | | L | *1 |
| Typ | Nenn-quer-schnitt qmm | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

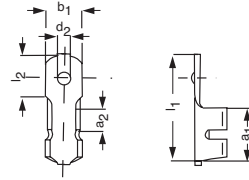
*1 Also for enamelled wire 0.28 - 0.8 mm diameter

*1 Auch für Lackdraht 0,28 - 0,8 mm ø

Welding Tabs

Kabelschuhe zum Schweißen

Type 1

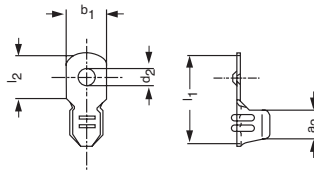


| Type | Wire cross section qmm | a1 | a2 | b1 | d2 | l1 | l2 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed | Foot-note |
|------|------------------------|------|------|------|------|-------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|-----------|
| 1 | 0.37-0.5 | 6.00 | 2.50 | 4.00 | 1.50 | 12.00 | 4.50 | 0.50 | B | 25374.411.031 | Stahl | Ni | L | *1 |
| Typ | Nenn-quer-schnitt qmm | a1 | a2 | b1 | d2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

*1 Up to 1 qmm

*1 Bis 1 qmm

Type 1

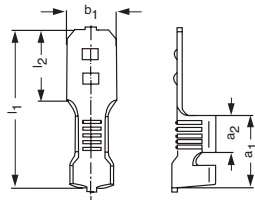


| Type | Wire cross section qmm | a2 | b1 | d2 | l1 | l2 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|-------|------|------|------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 0.5-1.0 | 2.5.0 | 4.00 | 1.50 | 9.00 | 4.50 | 0.50 | B | 25171.411.031 | Stahl | Ni | L |
| Typ | Nenn-quer-schnitt qmm | a2 | b1 | d2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Welding Tabs

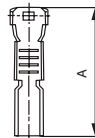
Kabelschuhe zum Schweißen

Type 1



| Type | Wire cross section qmm | a1 | a2 | b1 | l1 | l2 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|------|------|------|-------|------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 1 | 4-6 | 9.00 | 4.50 | 6.30 | 20.00 | 9.00 | 0.80 | B | 25164.411.031 | Stahl | Ni | SQ |
| 1 | 1.5-2.5 | 9.00 | 4.50 | 6.30 | 20.00 | 9.00 | 0.80 | B | 25610.411.031 | Stahl | Ni | SQ |
| Typ | Nennquerschnitt qmm | a1 | a2 | b1 | l1 | l2 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1



| Type | A | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed |
|------|----|-----------------------|---------------|----------------|-----------|------------|-----------------|
| 1 | 15 | B | 28336.411.031 | Kabelschuh 2,5 | Stahl | Ni 3 | L |
| Typ | A | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

Spring Terminals and Edge Connectors

for insertion on PC boards

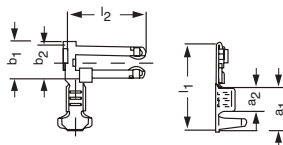
Feder- und Randkontakte

für den Anschluß an Leiterplatten

WIK terminals

WIK Kontakte

Type 1



| Type | Wire cross section qmm | Insulation diameter | a1 | a2 | b1 | b2 | l1 | l2 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed | Footnote |
|------|------------------------|---------------------|------|------|------|------|-------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------------|----------|
| 1 | 0.5-1.0 | 2.0-3.3 | 5.50 | 3.00 | 5.20 | 4.50 | 11.70 | 10.80 | 0.30 | B | 25677.123.178 | CuZn | Sn | NQ | *1 |
| Typ | Nennquerschnitt qmm | Isol.-Ø | a1 | a2 | b1 | b2 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub | Fuß-note |

*1 Side way feed right

*1 Einlauf der Kontakte in das Crimpwerkzeug von rechts

Spring Terminals and Edge Connectors

for insertion on PC boards

Feder- und Randkontakte

für den Anschluß an Leiterplatten

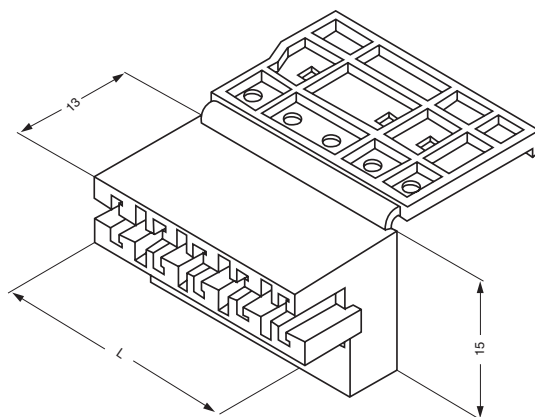
WIK housings

The housings can be keyed by the use afterwards (keying plug part-no. 16853.566.501).

WIK Gehäuse

Die Gehäuse können vom Anwender nachträglich kodiert werden (Kodiersteg Teile-Nr 16853.566.501).

Type 1



| Type | No. of ways | Pitch | L | Part number | Specification | Material | Colour |
|------|-------------|--------|-------|---------------|---------------|-----------|--------|
| 1 | 2 | 5 | 10.35 | 16603.564.501 | WIK - Gehäuse | PA | natur |
| 1 | 3 | 5 | 15.35 | 16604.562.501 | WIK - Gehäuse | PA | natur |
| 1 | 5 | 5 | 25.35 | 16606.562.501 | WIK - Gehäuse | PA | natur |
| 1 | 6 | 5 | 30.35 | 16607.562.501 | WIK - Gehäuse | PA | natur |
| Typ | Pol-zahl | Raster | L | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

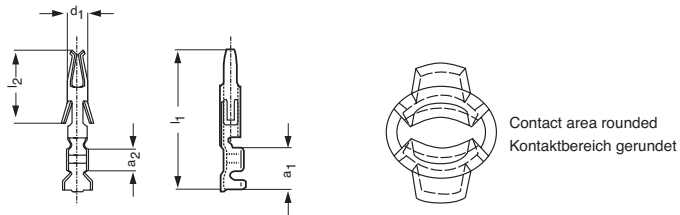
Spring Terminals

for pin connector

Federkontakt

für Stiftkontakt

Type 1

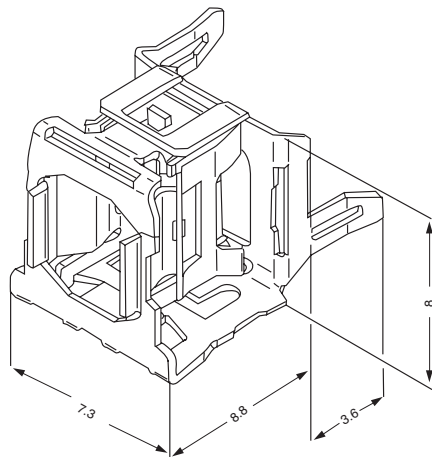


| Type | Wire cross section qmm | Pin diameter | a1 | a2 | d1 | l1 | l2 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|--------------|------|------|------|-------|------|--------------------|-----------------------------|---------------|-----------|------------|-----------------|
| 1 | 0.2 - 0.5 | 1.00 | 4.50 | 2.40 | 2.00 | 14.60 | 7.60 | 0.20 | B | 26867.213.111 | CuSn | Sn | L |
| Typ | Nennquerschnitt qmm | Stift-Ø | a1 | a2 | d1 | l1 | l2 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

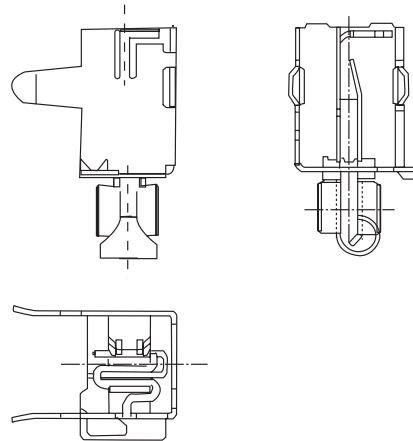
Special Pressed Parts

Sonderstanzteile

Type 1



Type 2



| Type | Pin diameter | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|--------------|--------------------|-----------------------|---------------|-----------|------------|-----------------|
| 2 | | 0.2 | B | 25464.202.179 | CuSn | Sn | NQ |
| 1 | 2.5 | 0.3 | B | 25482.213.179 | CuSn | Sn | NQ |
| Typ | Stift-Ø | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Special Pressed Parts

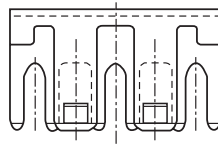
Sonderstanzteile

Type 1



| Type | Material thickness | Form E=Single B=chain | Part number | Specification | Material |
|------|--------------------|-----------------------------|---------------|-----------------|-----------|
| 1 | 0.4 | E | 06167.201.001 | Wicklungsschutz | CuSn |
| 1 | 0.4 | B | 26167.201.009 | Wicklungsschutz | CuSn |
| Typ | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff |

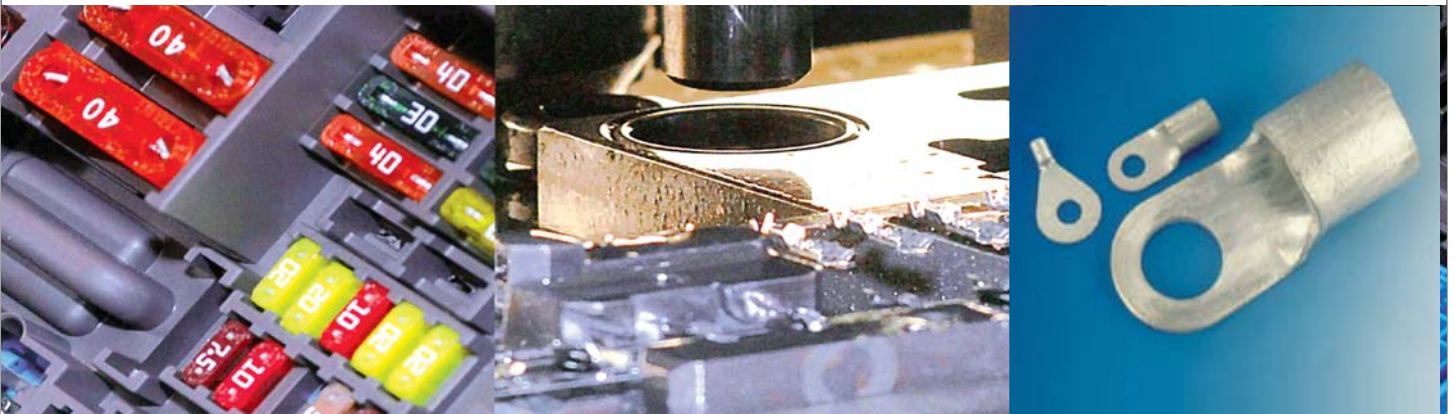
Type 1



| Type | Part number | Specification | Material |
|------|---------------|-----------------|-----------|
| 1 | 08144.201.001 | Wicklungsschutz | CuSn |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff |

Cable Lugs

Kabelschuhe mit geschlossenem Leiteranschluß



Cable Lugs

ring type, brazed

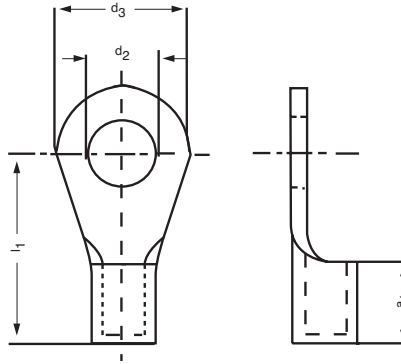
DIN 46234 and similar types
Type test according to VG 96933-13

Kabelschuhe

Ringform, gelötet

DIN 46234 und ähnliche Ausführungen
Typprüfung nach VG 96933-13

Type 1



| Type | Wire cross section qmm | DIN standard | Nominal size | a1 | d2 | d3 | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Foot-note |
|------|------------------------|--------------|--------------|------|-------|-------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------|
| 1 | 0.5-1 | 46234 | 3-1 | 5.00 | 3.20 | 6.00 | 11.00 | 0.80 | E | 03401.311.011 | SE-Cu | Sn | *1 |
| 1 | 0.5-1 | 46234 | 4-1 | 5.00 | 4.30 | 8.00 | 12.00 | 0.80 | E | 03403.311.011 | SE-Cu | Sn | *1 |
| 1 | 0.5-1 | 46234 | 5-1 | 5.00 | 5.30 | 10.00 | 13.00 | 0.80 | E | 03404.311.011 | SE-Cu | Sn | *1 |
| 1 | 1.5-2.5 | 46234 | 3-2.5 | 5.00 | 3.20 | 6.00 | 11.00 | 0.80 | E | 03405.311.011 | SE-Cu | Sn | *1 |
| 1 | 1.5-2.5 | 46234 | 4-2.5 | 5.00 | 4.30 | 8.00 | 12.00 | 0.80 | E | 03406.311.011 | SE-Cu | Sn | *1 |
| 1 | 1.5-2.5 | 46234 | 5-2.5 | 5.00 | 5.30 | 10.00 | 14.00 | 0.80 | E | 03407.311.011 | SE-Cu | Sn | *1 |
| 1 | 1.5-2.5 | 46234 | 6-2.5 | 5.00 | 6.50 | 11.00 | 16.00 | 0.80 | E | 03408.311.011 | SE-Cu | Sn | *1 |
| 1 | 1.5-2.5 | 46234 | 8-2.5 | 5.00 | 8.40 | 14.00 | 17.00 | 0.80 | E | 03409.311.011 | SE-Cu | Sn | *1 |
| 1 | 4-6 | 46234 | 4-6 | 6.00 | 4.30 | 8.00 | 14.00 | 1.00 | E | 03410.311.011 | SE-Cu | Sn | *1 |
| 1 | 4-6 | 46234 | 5-6 | 6.00 | 5.30 | 10.00 | 15.00 | 1.00 | E | 03411.311.011 | SE-Cu | Sn | *1 |
| 1 | 4-6 | 46234 | 6-6 | 6.00 | 6.50 | 11.00 | 16.00 | 1.00 | E | 03412.311.011 | SE-Cu | Sn | *1 |
| 1 | 4-6 | 46234 | 8-6 | 6.00 | 8.40 | 14.00 | 19.00 | 1.00 | E | 03413.311.011 | SE-Cu | Sn | *1 |
| 1 | 4-6 | 46234 | 10-6 | 6.00 | 10.50 | 18.00 | 21.00 | 1.00 | E | 03414.311.011 | SE-Cu | Sn | *1 |
| 1 | 0.5-1 | | 6-1 | 5.00 | 6.50 | 11.00 | 15.00 | 0.80 | E | 03472.311.011 | SE-Cu | Sn | |
| 1 | 0.5-1 | | 8-1 | 5.00 | 8.40 | 14.00 | 17.00 | 0.80 | E | 03473.311.011 | SE-Cu | Sn | |
| 1 | 0.5-1 | | 10-1 | 5.00 | 10.50 | 18.00 | 19.00 | 0.80 | E | 03474.311.011 | SE-Cu | Sn | |
| 1 | 1.5-2.5 | | 10-2.5 | 5.00 | 10.50 | 18.00 | 19.00 | 0.80 | E | 03475.311.011 | SE-Cu | Sn | |
| Typ | Nenn-quer-schnitt qmm | DIN | Nenn-größe | a1 | d2 | d3 | l1 | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Fuß-note |

*1 Type test according to VG 96933-13

*1 Typprüfung nach VG 96933-13

Cable Lugs

ring type, brazed

DIN 46234 and similar types

Type test according to VG 96933-13

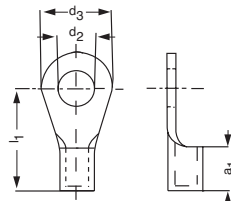
Kabelschuhe

Ringform, gelötet

DIN 46234 und ähnliche Ausführungen

Typprüfung nach VG 96933-13

Type 1



| Type | Wire cross section qmm | DIN standard | Nominal size | a1 | d2 | d3 | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Foot-note |
|------|------------------------|--------------|--------------|-------|-------|-------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------|
| 1 | über 6-10 | 46234 | 5-10 | 8.00 | 5.30 | 10.00 | 16.00 | 1.10 | E | 03415.311.011 | SE-Cu | Sn | *1 |
| 1 | über 6-10 | 46234 | 6-10 | 8.00 | 6.50 | 11.00 | 17.00 | 1.10 | E | 03416.311.011 | SE-Cu | Sn | *1 |
| 1 | über 6-10 | 46234 | 8-10 | 8.00 | 8.40 | 14.00 | 20.00 | 1.10 | E | 03417.311.011 | SE-Cu | Sn | *1 |
| 1 | über 6-10 | 46234 | 10-10 | 8.00 | 10.50 | 18.00 | 21.00 | 1.10 | E | 03418.311.011 | SE-Cu | Sn | *1 |
| 1 | über 6-10 | 46234 | 12-10 | 8.00 | 13.00 | 22.00 | 23.00 | 1.10 | E | 03419.311.011 | SE-Cu | Sn | *1 |
| 1 | über 10-16 | 46234 | 5-16 | 10.00 | 5.30 | 11.00 | 20.00 | 1.20 | E | 03420.311.011 | SE-Cu | Sn | *1 |
| 1 | über 10-16 | 46234 | 6-16 | 10.00 | 6.50 | 11.00 | 20.00 | 1.20 | E | 03421.311.011 | SE-Cu | Sn | *1 |
| 1 | über 10-16 | 46234 | 8-16 | 10.00 | 8.40 | 14.00 | 22.00 | 1.20 | E | 03422.311.011 | SE-Cu | Sn | *1 |
| 1 | über 10-16 | 46234 | 10-16 | 10.00 | 10.50 | 18.00 | 24.00 | 1.20 | E | 03423.311.011 | SE-Cu | Sn | *1 |
| 1 | über 10-16 | 46234 | 12-16 | 10.00 | 13.00 | 22.00 | 26.00 | 1.20 | E | 03424.311.011 | SE-Cu | Sn | *1 |
| 1 | über 16-25 | | 5-25 | 11.00 | 5.40 | 12.00 | 25.00 | 0.80 | E | 03425.311.011 | SE-Cu | Sn | *1 |
| 1 | über 16-25 | 46234 | 6-25 | 11.00 | 6.50 | 12.00 | 25.00 | 1.50 | E | 03426.311.011 | SE-Cu | Sn | *1 |
| 1 | über 16-25 | 46234 | 8-25 | 11.00 | 8.40 | 16.00 | 25.00 | 1.50 | E | 03427.311.011 | SE-Cu | Sn | *1 |
| 1 | über 16-25 | 46234 | 10-25 | 11.00 | 10.50 | 18.00 | 26.00 | 1.50 | E | 03428.311.011 | SE-Cu | Sn | *1 |
| 1 | über 16-25 | 46234 | 12-25 | 11.00 | 13.00 | 22.00 | 31.00 | 1.50 | E | 03429.311.011 | SE-Cu | Sn | *1 |
| 1 | über 16-25 | 46234 | 16-25 | 11.00 | 17.00 | 28.00 | 35.00 | 1.50 | E | 03430.311.011 | SE-Cu | Sn | *1 |
| 1 | über 25-35 | 46234 | 6-35 | 12.00 | 6.50 | 15.00 | 26.00 | 1.60 | E | 03431.311.011 | SE-Cu | Sn | *1 |
| 1 | über 25-35 | 46234 | 8-35 | 12.00 | 8.40 | 16.00 | 26.00 | 1.60 | E | 03432.311.011 | SE-Cu | Sn | *1 |
| 1 | über 25-35 | 46234 | 10-35 | 12.00 | 10.50 | 18.00 | 27.00 | 1.60 | E | 03433.311.011 | SE-Cu | Sn | *1 |
| 1 | über 25-35 | 46234 | 12-35 | 12.00 | 13.00 | 22.00 | 31.00 | 1.60 | E | 03434.311.011 | SE-Cu | Sn | *1 |
| 1 | über 6-10 | | 4-10 | 8.00 | 4.30 | 10.00 | 16.00 | 1.10 | E | 03468.311.011 | SE-Cu | Sn | *1 |
| Typ | Nennquerschnitt qmm | DIN | Nenngröße | a1 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Fußnote |

*1 Type test according to VG 96933-13

*1 Typprüfung nach VG 96933-13

Cable Lugs

ring type, brazed

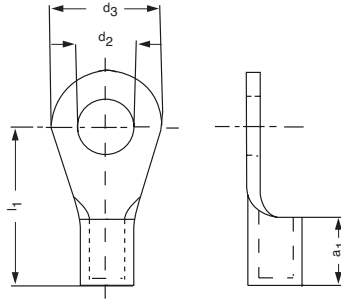
DIN 46234 and similar types
Type test according to VG 96933-13

Kabelschuhe

Ringform, gelötet

DIN 46234 und ähnliche Ausführungen
Typprüfung nach VG 96933-13

Type 1



| Type | Wire cross section gmm | DIN standard | Nominal size | a1 | d2 | d3 | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Foot-note |
|------|------------------------|--------------|--------------|-------|-------|-------|-------|--------------------|-----------------------|---------------|-----------|------------|-----------|
| 1 | über 35-50 | 46234 | 8-50 | 16.00 | 8.40 | 10.00 | 34.00 | 1.80 | E | 03436.311.011 | SE-Cu | Sn | *1 |
| 1 | über 35-50 | 46234 | 10-50 | 16.00 | 10.50 | 18.00 | 34.00 | 1.80 | E | 03437.311.011 | SE-Cu | Sn | *1 |
| 1 | über 35-50 | 46234 | 12-50 | 16.00 | 13.00 | 22.00 | 36.00 | 1.80 | E | 03438.311.011 | SE-Cu | Sn | *1 |
| 1 | über 50-70 | 46234 | 10-70 | 18.00 | 10.50 | 22.00 | 38.00 | 2.00 | E | 03440.311.011 | SE-Cu | Sn | *1 |
| 1 | über 50-70 | 46234 | 12-70 | 18.00 | 13.00 | 13.00 | 38.00 | 2.00 | E | 03441.311.011 | SE-Cu | Sn | *1 |
| 1 | über 50-70 | 46234 | 16-70 | 18.00 | 5.30 | 17.00 | 42.00 | 2.00 | E | 03442.311.011 | SE-Cu | Sn | *1 |
| 1 | über 70-95 | 46234 | 10-95 | 20.00 | 6.50 | 10.50 | 42.00 | 2.50 | E | 03443.311.011 | SE-Cu | Sn | *1 |
| 1 | über 70-95 | 46234 | 12-95 | 20.00 | 8.40 | 13.00 | 42.00 | 2.50 | E | 03444.311.011 | SE-Cu | Sn | *1 |
| 1 | über 70-95 | 46234 | 8-95 | 20.00 | 10.50 | 8.40 | 42.00 | 2.50 | E | 03471.311.011 | SE-Cu | Sn | *1 |
| 1 | über 50-70 | 46234 | 8-70 | 18.00 | 13.00 | 8.40 | 38.00 | 2.00 | E | 03485.311.011 | SE-Cu | Sn | *1 |
| 1 | über 35-50 | | 6-50 | 16.00 | 5.40 | 6.50 | 34.00 | 1.80 | E | 03565.311.011 | SE-Cu | Sn | *1 |
| Typ | Nennquerschnitt gmm | DIN | Nenngröße | a1 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Fußnote |

*1 Type test according to VG 96933-13

*1 Typprüfung nach VG 96933-13

Cable Lugs

ring type, brazed

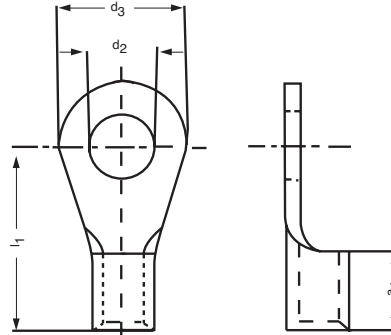
DIN 46234 and similar types
Type test according to VG 96933-13

Kabelschuhe

Ringform, gelötet

DIN 46234 und ähnliche Ausführungen
Typprüfung nach VG 96933-13

Type 1



| Type | Wire cross section qmm | DIN standard | Nominal size | a1 | d2 | d3 | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Foot-note |
|------|------------------------|--------------|--------------|-------|-------|-------|-------|--------------------|-----------------------|----------------------|-----------|------------|-----------|
| 1 | über 95-120 | | 10-120 | 22.00 | 10.50 | 24.00 | 44.00 | 3.00 | E | 03446.311.011 | SE-Cu | Sn | *1 |
| 1 | über 95-120 | 46234 | 12-120 | 22.00 | 13.00 | 24.00 | 44.00 | 3.00 | E | 03447.311.011 | SE-Cu | Sn | *1 |
| 1 | über 120-150 | 46234 | 12-150 | 24.00 | 13.00 | 30.00 | 50.00 | 3.20 | E | 03449.311.011 | SE-Cu | Sn | *1 |
| 1 | über 150-185 | 46234 | 12-185 | 28.00 | 13.00 | 36.00 | 50.00 | 3.50 | E | 03451.311.011 | SE-Cu | Sn | *1 |
| 1 | über 185-240 | 46234 | 12-240 | 32.00 | 13.00 | 36.00 | 56.00 | 4.00 | E | 03453.311.011 | SE-Cu | Sn | *1 |
| Typ | Nenn-quer-schnitt qmm | DIN | Nenn-größe | a1 | d2 | d3 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Fuß-note |

*1 Type test according to VG 96933-13

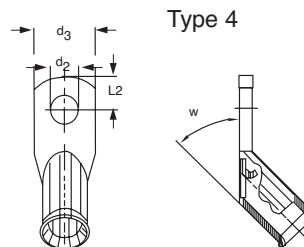
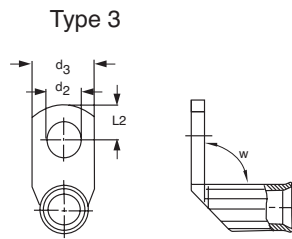
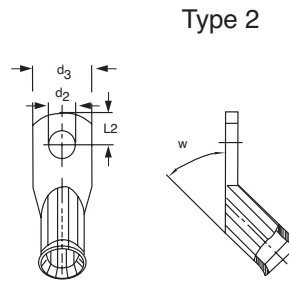
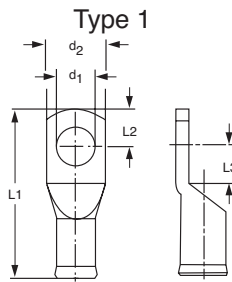
*1 Typprüfung nach VG 96933-13

Cable Lugs

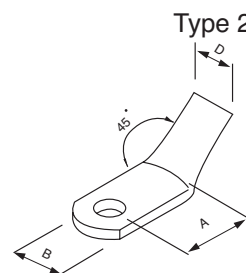
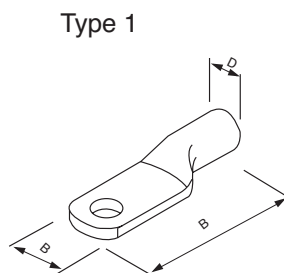
ring type, brazed

Kabelschuhe

Laschenform, gelötet



| Type | Wire cross section qmm | Nominal size | d1 | d2 | L1 | L2 | L3 | W° | Mat-erial thick-ness | Form E=Single B=chain | Part number | Material | Surface |
|------|------------------------|--------------|-------|-------|-------|-------|-------|----|----------------------|-----------------------|---------------|-----------|------------|
| 3 | 70 | 12-70 | 13.00 | 23.00 | | 13.00 | 18.00 | 90 | 4.6 | E | 03254.325.011 | SE-Cu | Sn |
| 3 | 70 | 10-70 | 10.50 | 23.00 | | 12.00 | 16.00 | 90 | 4.6 | E | 03255.325.011 | SE-Cu | Sn |
| 1 | 70 | 12-70 | 13.00 | 23.00 | 45.00 | 13.00 | 13.00 | | 4.6 | E | 03256.325.011 | SE-Cu | Sn |
| 1 | 70 | 10-70 | 10.50 | 23.00 | 44.00 | 12.00 | 12.00 | | 4.6 | E | 03257.325.011 | SE-Cu | Sn |
| 2 | 70 | 10-70 | 10.50 | 23.00 | | 12.00 | 16.00 | 45 | 4.6 | E | 03258.325.011 | SE-Cu | Sn |
| 4 | 70 | 10-70 | 10.50 | 23.00 | | 12.00 | 16.00 | 45 | 4.6 | E | 03259.325.011 | SE-Cu | Sn |
| Typ | Nenn-quer-schnitt qmm | Nenn-größe | d1 | d2 | L1 | L2 | L3 | W° | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |



| Type | Wire cross section qmm | A | B | D | Mat-erial thick-ness | Form E=Single B=chain | Part number | Specification | Material | Surface |
|------|------------------------|------|-------|-----|----------------------|-----------------------|---------------|----------------|-----------|------------|
| 1 | 25 | 42.0 | 16.0 | 9.5 | 2.3 | E | 03274.327.011 | Kabelschuh 8-2 | SE-Cu | Sn |
| 2 | 16 | 7.5 | 12.00 | 8.0 | 2.3 | E | 03280.327.011 | Kabelschuh 8-2 | SE-Cu | Sn |
| Typ | Nenn-quer-schnitt qmm | A | B | D | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

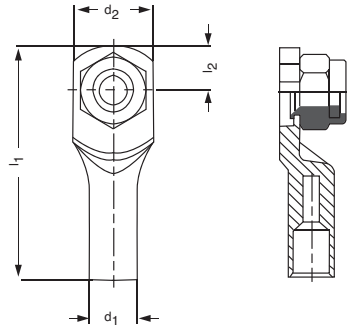
Cable Lugs

with / without nut for bolt connection
for single wire seals

Kabelschuhe

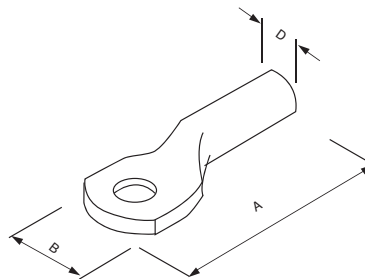
mit und ohne Mutter für Gewindebolzen
für Einzelleitungsdichtung

Type 1



| Type | Wire cross section qmm | d1 | d2 | l1 | l2 | Form E=Single B=chain | Part number | Specification | Material | Surface |
|------|------------------------|------|------|-------|------|-----------------------------|---------------|------------------|-----------|------------|
| 1 | 1.5 | 5.00 | 8.50 | 24.75 | 4.75 | E | 09100.326.011 | SKS - Kabelschuh | E-Cu | Sn |
| Typ | Nennquerschnitt qmm | d1 | d2 | l1 | l2 | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

Type 1



| Type | Wire cross section qmm | A | B | D | Mat- erial thick- ness | Form E=Single B=chain | Part number | Specification | Material | Surface |
|------|------------------------|-------|------|-----|---------------------------------|-----------------------------|---------------|------------------|-----------|------------|
| 1 | 0.5-2.5 | 41 | 17.5 | 6.4 | 1.8 | E | 03251.326.011 | SKS - Kabelschuh | E-Cu | Sn |
| 2 | 0.75-1.5 | 25.25 | 10 | 5 | 1.8 | E | 03265.326.011 | SKS - Kabelschuh | E-Cu | Sn |
| 2 | 0.5-2.5 | 32 | 10 | 6.4 | 1.8 | E | 03266.326.011 | SKS - Kabelschuh | E-Cu | Sn |
| 2 | 0.5-2.5 | 32 | 12 | 6.4 | 1.8 | E | 03267.326.011 | SKS - Kabelschuh | E-Cu | Sn |
| 2 | 0.5-2.5 | 41 | 17.5 | 6.4 | 1.8 | E | 03272.326.011 | SKS - Kabelschuh | E-Cu | Sn |
| Typ | Nennquerschnitt qmm | A | B | D | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

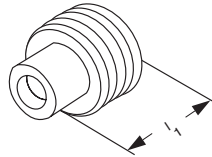
Cable Lugs

Kabelschuhe

Single wire seals

Seals (Einzelleitungsdichtungen)

Type 1



| Type | Insulation diameter | Hole diameter | l1 | Part number | Specification | Material | Colour |
|------|---------------------|---------------|------|----------------------|------------------------|-----------|--------------|
| 1 | 1.9 - 2.5 | 4 | 7.00 | 14458.627.610 | Einzelleitungsdichtung | VMQ | schwefelgelb |
| Typ | Isol.- Ø | Bohr.- Ø | l1 | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Seal determination for the contacts and wires

Zuordnung der Seals zu Kontakten und Leitungen

The choice of seal depends on the thickness of the wire insulation (e.g. according to DIN 72551, part 6).

Die Wahl des Seals hängt von der Dicke der Isolierhülle der Leitungen ab (z.B. gemäß DIN 72551, Teil 6).

| Hole diameter of cavity | Wire diameter mm | Wire cross section qmm | Part number | Terminal |
|-----------------------------|------------------|------------------------|----------------------|------------------|
| 4 | 1.9 - 2.5 | 1.50 | 14458.627.610 | Kabelschuhe PLUS |
| Bohr.- Ø der Gehäuse-Kammer | Leitungs.- art | Nennquerschnitt qmm | Teile-Nr. | Verbindertyp |

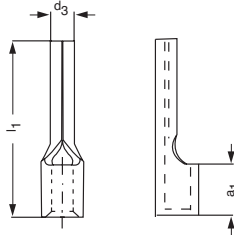
Cable Lugs

pin type, brazed
DIN 46230 and similar types
Type test according to VG 96933-12

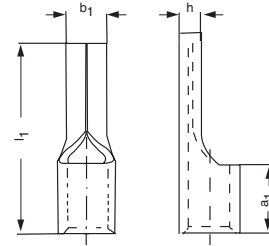
Kabelschuhe

Stiftform, gelötet
DIN 46230 und ähnliche Ausführungen
Typprüfung nach VG 96933-12

Type 1



Type 2



| Type | Wire cross section qmm | DIN standard | Nominal size | a1 | b1 | d3 | h | l1 | Mat-erial thick-ness | Form E=Single B=chain | Part number | Material | Surface | Foot note |
|------|------------------------|--------------|--------------|-------|-------|------|------|-------|----------------------|-----------------------|---------------|-----------|------------|-----------|
| 1 | 1.5 - 2.5 | 46230 | 2.5 | 5.00 | | 1.90 | | 17.00 | 0.80 | E | 03001.311.011 | SE-Cu | Sn | *1 |
| 2 | über 16 - 25 | | 3.5 | 13.50 | 6.80 | | 2.60 | 33.50 | 1.20 | E | 03006.311.011 | SE-Cu | Sn | |
| 2 | über 25 - 35 | | 3.5 | 16.00 | 8.00 | | 3.20 | 40.50 | 1.50 | E | 03007.311.011 | SE-Cu | Sn | *1 |
| 2 | über 35 - 50 | | 50 | 19.00 | 9.50 | | 3.80 | 45.00 | 1.80 | E | 03008.311.011 | SE-Cu | Sn | |
| 2 | über 50 - 70 | | 70 | 24.00 | 11.00 | | 4.10 | 55.00 | 2.00 | E | 03009.311.011 | SE-Cu | Sn | |
| 2 | über 70 - 95 | | 95 | 24.00 | 12.50 | 1.90 | 5.20 | 55.00 | 2.50 | E | 03010.311.011 | SE-Cu | Sn | |
| 1 | 0.5 - 1.0 | 46230 | 1 | 5.00 | | | | 17.00 | 0.80 | E | 03013.311.011 | SE-Cu | Sn | *1 |
| 2 | über 6 - 10 | | 10 | 8.00 | 4.50 | | 2.20 | 22.00 | 1.10 | E | 03016.311.011 | SE-Cu | Sn | *1 |
| 2 | über 10 - 16 | 46230 | 16 | 10.00 | 5.50 | | 2.40 | 26.00 | 1.20 | E | 03017.311.011 | SE-Cu | Sn | *1 |
| 1 | 4.00 - 6.00 | 46230 | 6 | 6.00 | | 2.70 | | 20.00 | 1.00 | E | 03023.311.011 | SE-Cu | Sn | *1 |
| Typ | Nenn-quer-schnitt qmm | DIN | Nenn-größe | a1 | b1 | d3 | l1 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Fuß-note |

*1Type test according to VG 96933-12

*1 Typprüfung nach VG 96933-12

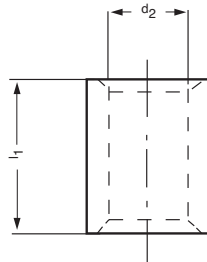
Parallel Connectors

DIN 46341 and similar types

Parallelverbinder

DIN 46341 und ähnliche Ausführungen

Type 1



| Type | Wire cross section qmm | DIN standard | Nominal size | d2 | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------------|------------------------------|---------------------|-------------------|-----------|-----------|--------------------|-----------------------------|------------------|------------------|-------------------|
| 1 | 1.5 - 2.5 | 46341 Teil 1 Form A | 2.5 | 2.30 | 7.00 | 0.80 | E | 04001.321.011 | E/SE-Cu | Sn |
| 1 | 2.5 - 4.0 | | 4 | 3.00 | 7.00 | 1.00 | E | 04002.321.011 | E/SE-Cu | Sn |
| 1 | 4.0 - 6.0 | 46341 Teil 1 Form A | 6 | 3.60 | 7.00 | 1.00 | E | 04003.321.011 | E/SE-Cu | Sn |
| 1 | über 6 - 10 | 46341 Teil 1 Form A | 10 | 4.50 | 10.00 | 1.10 | E | 04004.321.011 | E/SE-Cu | Sn |
| 1 | über 10 - 16 | 46341 Teil 1 Form A | 16 | 5.80 | 11.00 | 1.20 | E | 04005.321.011 | E/SE-Cu | Sn |
| 1 | über 16 - 25 | 46341 Teil 1 Form A | 25 | 7.50 | 14.00 | 1.50 | E | 04006.321.011 | E/SE-Cu | Sn |
| 1 | über 25 - 35 | 46341 Teil 1 Form A | 35 | 9.00 | 16.00 | 1.60 | E | 04007.321.011 | E/SE-Cu | Sn |
| 1 | über 35 - 50 | 46341 Teil 1 Form A | 50 | 11.00 | 19.00 | 1.80 | E | 04008.321.011 | E/SE-Cu | Sn |
| 1 | über 50 - 70 | 46341 Teil 1 Form A | 70 | 13.00 | 19.00 | 2.00 | E | 04009.321.011 | E/SE-Cu | Sn |
| 1 | über 70 - 95 | 46341 Teil 1 Form A | 95 | 15.00 | 20.00 | 2.50 | E | 04010.321.011 | E/SE-Cu | Sn |
| 1 | über 95 - 120 | 46341 Teil 1 Form A | 120 | 16.50 | 22.00 | 3.00 | E | 04011.321.011 | E/SE-Cu | Sn |
| 1 | 0.5 - 1.0 | | 1 | 1.60 | 7.00 | 8.00 | E | 04016.321.011 | E/SE-Cu | Sn |
| 1 | über 9 - 12 | | 12 | 5.10 | 10.00 | 1.10 | E | 04021.321.011 | E/SE-Cu | Sn |
| Typ | Nenn-quer-schnitt qmm | DIN | Nenn-größe | d2 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

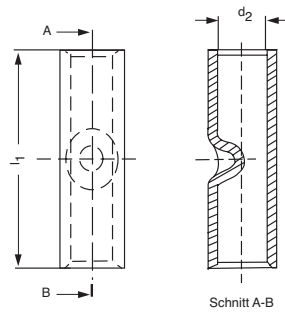
Butt Connectors

DIN 46341 and similar types
Typ test according to VG 96933-11

Stoßverbinder

DIN 46341 und ähnliche Ausführungen
Typprüfung nach VG 96933-11

Type 1



| Type | Wire cross section qmm | DIN standard | Nominal size | d2 | l1 | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Footnote |
|------|------------------------|---------------------|--------------|------|-------|--------------------|-----------------------|---------------|-----------|------------|----------|
| 1 | über 10 - 16 | 46341 Teil 1 Form B | 10.00 | 4.50 | 21.00 | 1.10 | E | 04504.321.011 | E/SE-Cu | Sn | *1 |
| 1 | über 10 - 16 | 46341 Teil 1 Form B | 16.00 | 5.80 | 26.00 | 1.20 | E | 04505.321.011 | E/SE-Cu | Sn | *1 |
| 1 | über 16 - 25 | 46341 Teil 1 Form B | 25.00 | 7.50 | 29.00 | 1.50 | E | 04506.321.011 | E/SE-Cu | Sn | *1 |
| 1 | über 25 - 35 | 46341 Teil 1 Form B | 35.00 | 9.00 | 32.00 | 1.60 | E | 04507.321.011 | E/SE-Cu | Sn | *1 |
| 1 | 4 - 6 | | 6.00 | 3.60 | 20.00 | 1.00 | E | 04514.321.011 | E/SE-Cu | Sn | *1 |
| 1 | 0.5 - 1 | 46341 Teil 1 Form B | 1.00 | 1.60 | 15.00 | 0.80 | E | 04528.321.011 | E/SE-Cu | Sn | *1 |
| 1 | 1.5 - 2.5 | | 2.50 | 2.30 | 15.00 | 0.80 | E | 04529.321.011 | E/SE-Cu | Sn | *1 |
| Typ | Nennquerschnitt qmm | DIN | Nenngröße | d2 | l1 | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Fußnote |

*1Type testing according to VG 96933-11
*1 Typprüfung nach VG 96933-11

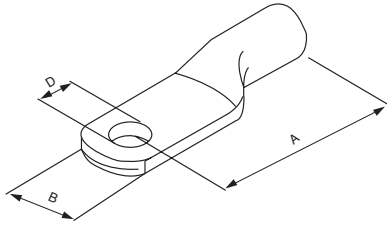
Cable Lugs

fork type, brazed

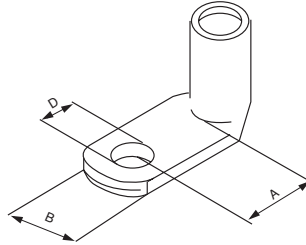
Kabelschuhe

Laschenform, gelötet

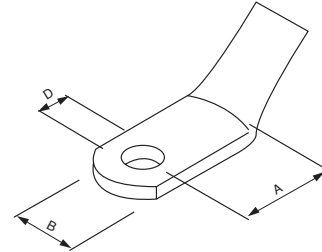
Type 1



Type 2



Type 3



| Type | Wire cross section qmm | A | B | D | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|------------------------|------|------|------|--------------------|-----------------------|---------------|-----------|------------|
| 1 | 4 | 20.5 | 10 | 6.5 | 1.2 | E | 03029.325.011 | SE-Cu | Sn |
| 1 | 2.5 | 21.5 | 9.5 | 6.5 | 0.9 | E | 03040.325.011 | SE-Cu | Sn |
| 1 | 4 | 24.5 | 10 | 6.5 | 1.2 | E | 03041.325.011 | SE-Cu | Sn |
| 1 | 6 | 24.5 | 10 | 6.5 | 1.5 | E | 03042.325.011 | SE-Cu | Sn |
| 1 | 10 | 27 | 17 | 6.5 | 1.2 | E | 03201.327.011 | E-Cu | Sn |
| 1 | 2.5 | 16 | 9.5 | 6.5 | 0.9 | E | 03231.327.011 | E-Cu | Sn |
| 1 | 16 | 27 | 12 | 6.5 | 2.8 | E | 03263.327.011 | E-Cu | Sn |
| 1 | 50 | 39 | 21 | 10.5 | 4 | E | 03290.325.011 | SE-Cu | Sn |
| 2 | 6 | 9 | 10 | 5.5 | 2.2 | E | 03030.325.011 | SE-Cu | Sn |
| 2 | 10 | 10 | 12 | 5.5 | 1.9 | E | 03031.325.011 | SE-Cu | Sn |
| 2 | 25 | 13 | 16 | 8.5 | 2.5 | E | 03032.325.011 | SE-Cu | Sn |
| 2 | 70 | 30 | 25 | 10.5 | 3.9 | E | 03039.325.011 | SE-Cu | Sn |
| 2 | 35 | 15 | 18 | 10.5 | 3.1 | E | 03246.325.011 | SE-Cu | Sn |
| 2 | 70 | 26 | 23.7 | 10.5 | 4.6 | E | 03268.325.011 | SE-Cu | Sn |
| 2 | 16 | 13 | 16 | 8.5 | 1.6 | E | 03278.327.011 | E-Cu | Sn |
| 2 | 6 | 13 | 14 | 8.5 | 1.4 | E | 03279.327.011 | E-Cu | Sn |
| 2 | 50 | 26 | 21 | 10.5 | 4 | E | 03291.325.011 | SE-Cu | Sn |
| 3 | 35 | 13 | 18 | 8.5 | 3.1 | E | 03269.325.011 | SE-Cu | Sn |
| 3 | 25 | 13 | 16 | 8.5 | 2.3 | E | 03277.327.011 | E-Cu | Sn |
| Typ | Nenn-quer-schnitt qmm | A | B | D | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

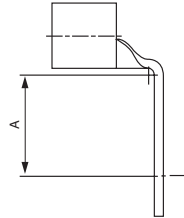
Cable Lugs

ring type, brazed
DIN 46234 and similar types
Type test according to VG 96933-13

Kabelschuhe

Ringform, gelötet
DIN 46234 und ähnliche Ausführungen
Typprüfung nach VG 96933-13

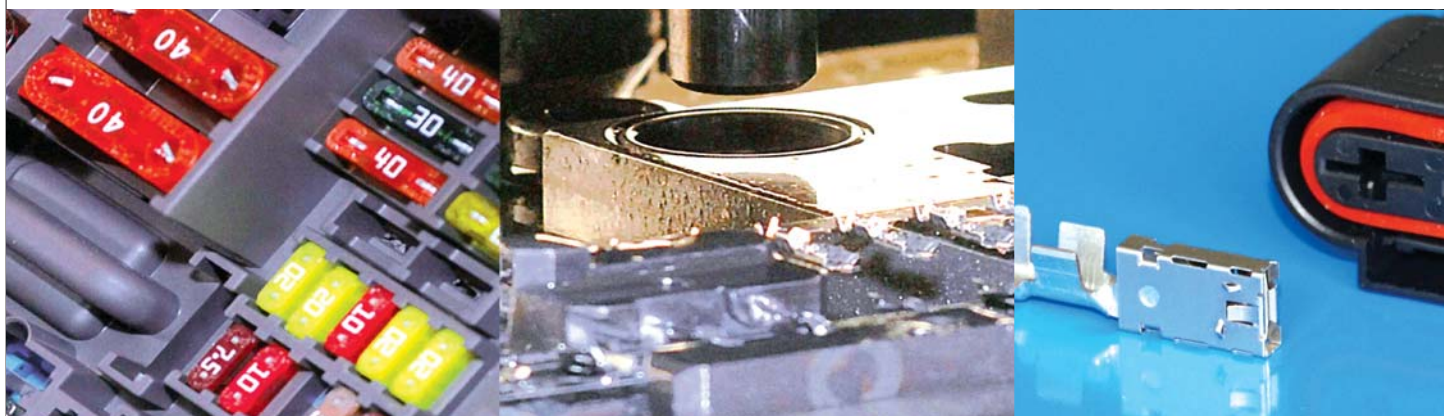
Type 1



| Type | A | Part number | Specification | Material | Surface |
|------|------|---------------|-------------------|-----------|------------|
| 1 | 18.8 | 03033.311.011 | Quetschkabelschuh | SE-Cu | Sn |
| 1 | 18.8 | 03034.311.011 | Quetschkabelschuh | SE-Cu | Sn |
| Typ | A | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

MAK
Power Application Systems
8.0 / 12.0 mm

MAK
Hochstromkontaktsysteme
8.0 / 12.0 mm



MAK

Power application systems 8.0 / 12.0 mm

Lamella terminal system with closed box 8.0 x 0.8 mm, 9.5 x 1.2 mm, 12.0 x 0.8 mm

The MAK power terminal series covers blade sizes 8.0 mm to 9.5 mm and 12.0 mm. They are designed for single and multipole connections. The terminals offer an excellent current rating for use on power demanding applications and the closed box design protects from environmental influences and damage.

The MAK power terminal series can be used on a wide array of applications, but its main usage is in the automotive and truck industry.

Characteristics

- secondary locking
- excellent current rating
- low mating and withdrawal forces
- internal lamella

Application

- on single and multipole connections
- for connection to junction boxes, main fuses and high power consumers
- for sealed applications

Terminals

MAK

- receptacles for blade sizes 8.0 mm to 9.5 mm and 12.0 mm
- for wires with reduced insulation thickness
- two locking arms to ensure retention in cavity
- secondary lock

MAK PLUS

- receptacles for blade sizes 8.0 mm to 9.5 mm and 12.0 mm
- for wires with reduced insulation thickness
- two locking arms to ensure retention in cavity
- secondary lock
- uses single wire seal

MAK

Hochstromkontaktsysteme 8,0 / 12,0 mm

Lamellenkontaktsystem mit geschlossenem Kasten 8,0 x 0,8 mm, 9,5 x 1,2 mm, 12,0 x 0,8 mm

Die MAK Hochstromkontaktsysteme umfassen Kontakte für Messerbreiten 8,0 mm bis 9,5 mm und 12,0 mm. Sie sind für ein- und mehrpolige Steckverbindungen ausgelegt, bieten eine ausserordentliche Stromtragfähigkeit und ihr geschlossener Kasten schützt den Kontaktbereich vor äußeren Einflüssen und Beschädigung.

Die MAK Hochstromkontaktsysteme sind vielseitig einsetzbar, vorzugsweise jedoch in der Kfz- und Nfz-Industrie.

Eigenschaften

- sekundär verriegelbar
- hohe Strombelastbarkeit
- geringe Steck- und Ziehkräfte
- innenliegende Lamellen

Einsatz

- für ein- und mehrpolige Kupplungen
- Anschluß an Stromverteiler, Hauptsicherungen und große elektrische Lasten
- für gedichtete Anwendungsfälle

Kontakte

MAK

- Flachkontakte für Messerbreiten 8,0 mm bis 9,5 mm und 12,0 mm
- für wanddickenreduzierte Leitungen
- 2 Rastarme für sichere Verriegelung im Gehäuse
- sekundär verriegelbar

MAK PLUS

- Flachkontakte für Messerbreiten 8,0 mm bis 9,5 mm und 12,0 mm
- für wanddickenreduzierte Leitungen
- 2 Rastarme für sichere Verriegelung im Gehäuse
- sekundär verriegelbar
- zur Aufnahme von Einzelleitungsabdichtungen ausgelegt

MAK

Power application systems
8.0 / 12.0 mm

Housings

designed for applicable terminals. Additional design features depending on

application:

- secondary lock
- mechanical and colour coding
- seals
- locking arm protection

Delivery form Terminal

- chain form for semi- and full-automatic crimping machines

Housing

- loose in standard packs

MAK

Hochstromkontaktsysteme
8,0 / 12,0 mm

Gehäuse

ausgelegt für die entsprechenden Kontakte. Zusätzliche konstruktive Details nach

Anwendungsfall:

- Sekundärverriegelung
- mechanische und farbliche Kodierung
- Dichtungselemente
- Rastarmschutz

Lieferform Kontakte

- Bandform für Halb- und Vollautomaten

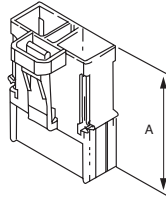
Gehäuse

- lose in Standardverpackung

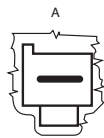
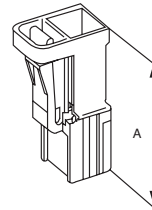
MAK
Power application systems
8.0 / 12.0 mm

MAK
Hochstromkontaktsysteme
8,0 / 12,0 mm

MAK 8 - Housing



MAK 8 - Gehäuse

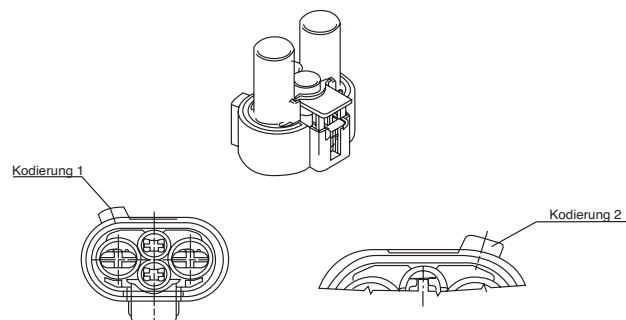


| Type | A | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|------|-------------|-----------|---------------|-----------------|-----------|------------|
| 1 | 44.5 | 2 | A | 13398.555.699 | MAK 8 - Gehäuse | PA6 | schwarz |
| 2 | 44.5 | 1 | C | 13401.555.699 | MAK 8 - Gehäuse | PA6 | schwarz |
| 2 | 44.5 | 1 | B | 13402.555.660 | MAK 8 - Gehäuse | PA6 | fehgrau |
| 2 | 44.5 | 1 | A | 13403.555.640 | MAK 8 - Gehäuse | PA6 | himmelblau |
| Typ | A | Pol-zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

MAK - Housing

MAK - Gehäuse

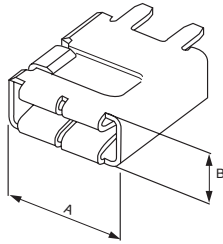
Type 1



| Type | No. of ways | Keying | Part number | Specification | Material | Colour |
|------|-------------|-----------|---------------|---------------|-----------|---------|
| 1 | 2 | 1 | 18938.000.000 | MAK - Gehäuse | PA66 | schwarz |
| 1 | 2 | 2 | 18943.000.000 | MAK - Gehäuse | PA66 | schwarz |
| Typ | Pol-zahl | Kodierung | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

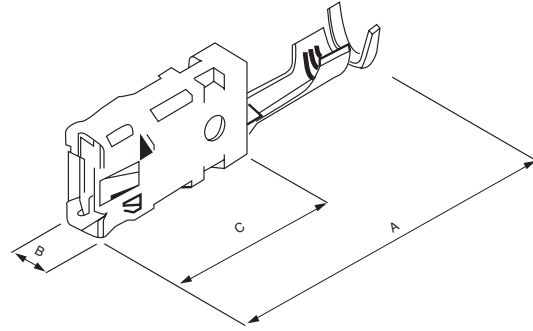
MAK
Power application systems
8.0 / 12.0 mm

Type 1



MAK
Hochstromkontaktsysteme
8,0 / 12,0 mm

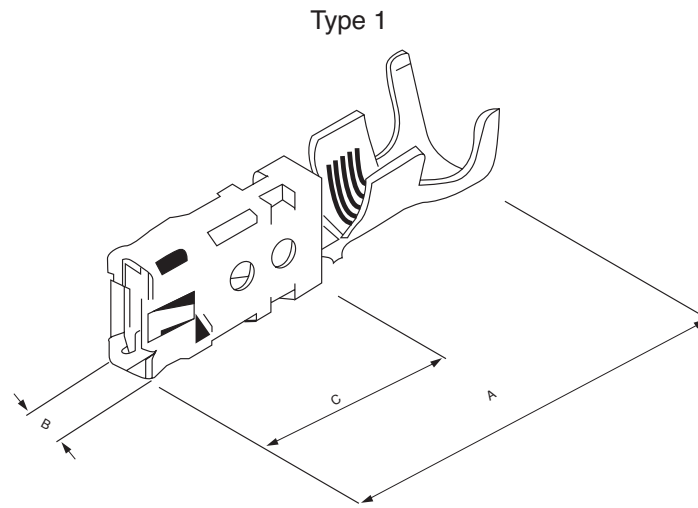
Type 2



| Type | A | B | C | Form E=Single B=chän | Part number | Specification | Material | Surface | Ter- minal Feed |
|------|------|-----|------|----------------------------|----------------------|----------------------|-----------|------------|-------------------------|
| 1 | 11.1 | 4.8 | | B | 28360.306.178 | Lötkontakt 9,5 x 1,2 | Copper | Sn | NQ |
| 2 | 35.8 | 4.5 | 18.8 | B | 28410.306.710 | MAK 8 x 0,8 | Copper | Ag | NQ |
| Typ | A | B | C | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.- vor- schub |

MAK PLUS
Power application systems
8.0 mm

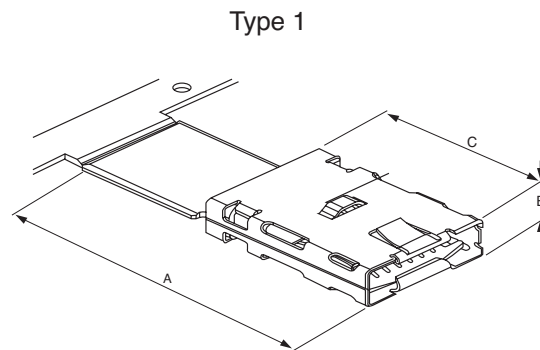
MAK PLUS
Hochstromkontaktsysteme
8,0 mm



| Type | Wire cross section qmm | A | B | C | Form E=Single B=chain | Part number | Specification | Material | Surface |
|------|----------------------------------|------|-----|------|-----------------------------|---------------|--------------------|-----------|------------|
| 1 | 6 - 10 | 35.8 | 4.5 | 18.8 | B | 28459.306.189 | MAK PLUS 8,0 x 0,8 | Copper | Sn |
| 1 | 2.5 - 4 | 35.8 | 4.5 | 18.8 | B | 28469.306.189 | MAK PLUS 8,0 x 0,8 | Copper | Sn |
| Typ | Nenn- quer- schnitt qmm | A | B | C | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

MAK PLUS
Power application systems
12.0 mm

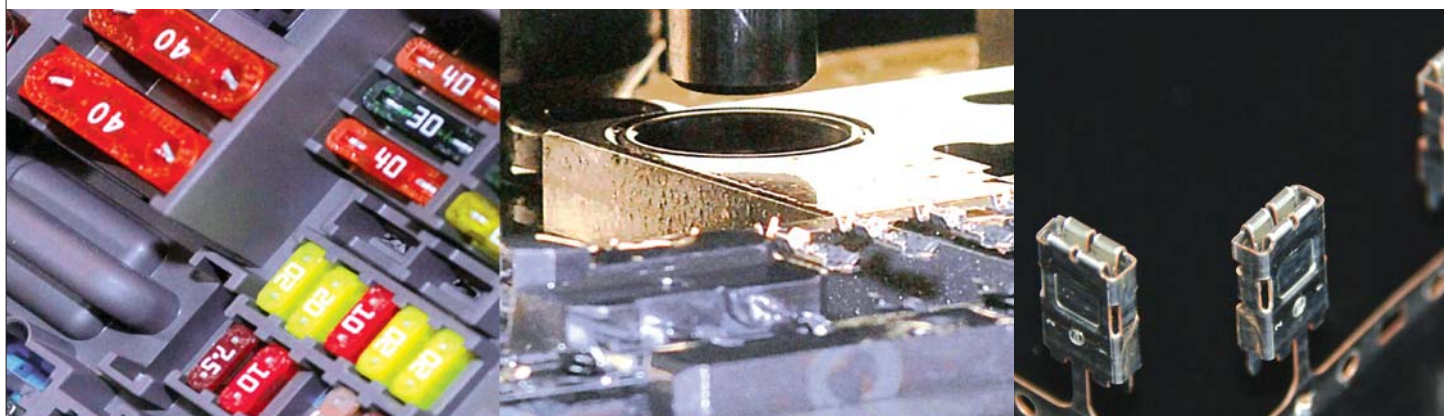
MAK PLUS
Hochstromkontaktsysteme
12,0 mm



| Type | A | B | C | Form E=Single B=chain | Part number | Specification | Material | Surface |
|------|------|-----|------|-----------------------------|---------------|---------------|-----------|------------|
| 1 | 32.8 | 4.5 | 17.8 | B | 28499.306.710 | MAK 12 x 0,8 | Copper | Ag |
| 1 | 32.8 | 4.5 | 17.8 | B | 28499.306.719 | MAK 12 x 0,8 | Copper | Sn |
| Typ | A | B | C | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

MAK
Closed Box Contact Systems
1.5 / 2.8 / 6.3 mm

MAK
Geschlossene Kontaktsysteme
1,5 / 2,8 / 6,3 mm



MAK

Closed box contact systems
1.5 / 2.8 / 6.3 mm

Closed box contact systems with spring support 1.5 x 0.6 mm, 2.8 x 0.8 mm and 6.3 x 0.8 mm

The MAK series includes terminals for blade sizes 1.5 mm, 2.8 mm and 6.3 mm. They are designed for single and multipole connections. The terminals offer the engagement of a secondary lock on all four sides and the closed box design protects from environmental influences and damage.

The MAK terminal series can be used on a wide array of applications, but its main usage is in the automotive and truck industry.

Characteristics

- secondary locking on all four sides
- low mating and withdrawal forces even on multipole applications
- high terminal density
- spring support for longevity, high current rating and reliable electrical performance

Application

- on single and multipole connections
- for direct connection on sensors, motors and electronic devices
- for sealed applications
- for transmission of signals and power

Terminals

MAK

- receptacles for blade sizes 1.5 mm, 2.8 mm and 4.8 mm to 6.3 mm for wires with reduced insulation thickness
- two locking arms to ensure retention in cavity secondary lock can engage on all four sides

MAK PLUS

- receptacles for blade sizes 1.5 mm, 2.8 mm and 4.8 mm to 6.3 mm
- for wires with reduced insulation thickness
- two locking arms to ensure retention in cavity
- secondary lock can engage on all four sides
- uses single wire seals

MAK

Geschlossene Kontaktsysteme
1,5 / 2,8 / 6,3 mm

Geschlossene Kontaktsysteme mit Federunterstützung 1,5 x 0,6 mm, 2,8 x 0,8 mm und 6,3 x 0,8 mm

Die MAK Systeme umfassen Kontakte für Messerbreiten 1,5 mm, 2,8 mm und 6,3 mm. Sie sind für ein- und mehrpolige Steckverbindungen ausgelegt, bieten die Möglichkeit der allseitigen Verriegelung im Gehäuse und ihr geschlossener Kasten schützt den Kontaktbereich vor äußeren Einflüssen und Beschädigung.

Die MAK Systeme sind vielseitig einsetzbar, vorzugsweise jedoch in der Kfz- und Nfz-Industrie.

Eigenschaften

- allseitig sekundär verriegelbar
- geringe Steck- und Ziehkräfte auch bei vielpoligen Anwendungen
- hohe Kontaktdichte
- Federunterstützung für lange Lebensdauer, hohe Strombelastbarkeit und zuverlässige Signalübertragung

Einsatz

- für ein- und mehrpolige Kupplungen
- Anschlüsse auf Sensoren, Aggregate und Steuergeräte
- für gedichtete Anwendungsfälle
- zur Übertragung von Signalströmen und zur Stromversorgung

Kontakte

MAK

- Flachkontakte für Messerbreiten 1,5 mm, 2,8 mm und 4,8 mm bis 6,3 mm für wanddickenreduzierte Leitungen
- 2 Rastarme für sichere Verriegelung im Gehäuse allseitig sekundärverriegelbar

MAK PLUS

- Flachkontakte für Messerbreiten 1,5 mm, 2,8 mm und 4,8 mm bis 6,3 mm
- für wanddickenreduzierte Leitungen
- 2 Rastarme für sichere Verriegelung im Gehäuse
- allseitig sekundärverriegelbar
- zur Aufnahme von Einzelleitungsabdichtungen ausgelegt

MAK

Closed box contact systems
1.5 / 2.8 / 6.3 mm

Housings

designed for applicable terminals. Additional design features depending on

Application

- secondary lock
- mechanical and colour coding
- seals
- locking arm protection

Delivery form Terminal

- chain form for semi- and full-automatic crimping machines

Housing

- loose in standard packs

MAK

Geschlossene Kontaktsysteme
1,5 / 2,8 / 6,3 mm

Gehäuse

ausgelegt für die entsprechenden Kontakte. Zusätzliche konstruktive Details nach

Anwendungsfall:

- Sekundärverriegelung
- mechanische und farbliche Kodierung
- Dichtungselemente
- Rastarmschutz

Lieferform Kontakte

- Bandform für Halb- und Vollautomaten

Gehäuse

- lose in Standardverpackung

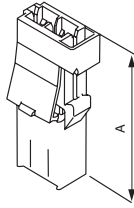
MAK

Closed box contact systems
1.5 / 2.8 / 6.3 mm

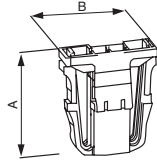
MAK

Geschlossene Kontaktsysteme
1,5 / 2,8 / 6,3 mm

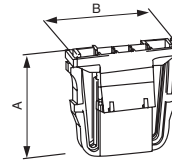
Type 1



Type 2

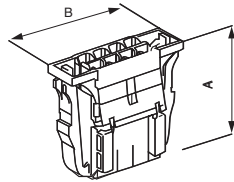


Type 3

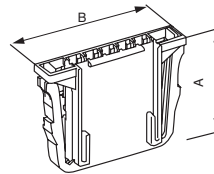


| Type | No. of ways | A | B | Part number | Specification | Material | Colour |
|------|-------------|----|------|---------------|---------------|-----------|---------|
| 1 | 2 | 25 | | 13309.669.699 | MAK - Gehäuse | PBT | schwarz |
| 2 | 2 | 25 | 21.4 | 13310.669.699 | MAK - Gehäuse | PBT | schwarz |
| 3 | 3 | 25 | 25.4 | 13311.669.699 | MAK - Gehäuse | PBT | schwarz |
| Typ | Pol-zahl | A | B | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Type 1



Type 2



| Type | No. of ways | A | B | Part number | Specification | Material | Colour | No. of ways |
|------|-------------|----|------|---------------|---------------|-----------|---------|-------------|
| 1 | 8 | 25 | 29.4 | 13312.669.699 | MAK - Gehäuse | PBT | schwarz | 8 |
| 2 | 5 | 25 | 33.4 | 13451.669.699 | MAK - Gehäuse | PBT | schwarz | 5 |
| Typ | Pol-zahl | A | B | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Pol-zahl |

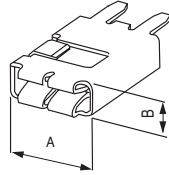
MAK

Closed box contact systems
1.5 / 2.8 / 6.3 mm

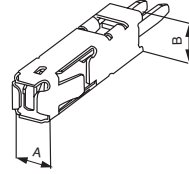
MAK

Geschlossene Kontaktsysteme
1,5 / 2,8 / 6,3 mm

Type 1

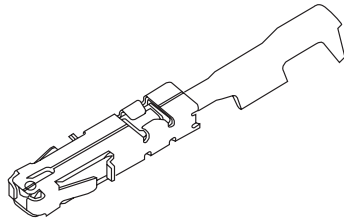


Type 2

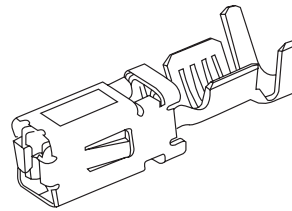


| Type | A | B | Form E=Single B=chain | Part number | Specification | Material | Surface | Ter- minal feed |
|------|-----|-----|-----------------------------|----------------|----------------------|--------------|------------|------------------------|
| 1 | 7.6 | 3 | B | 28371.306.178 | Lötkontakt 6,3 x 0,8 | Copper alloy | Sn | NQ |
| 2 | 2.3 | 2.7 | B | 28376.306.710 | Lötkontakt 1,5 x 0,6 | Copper alloy | Ag | NQ |
| Typ | A | B | Form E=Single B=chain | Teile-Nr. | Teile-Nr. | Werkstoff | Oberfläche | Verb- vor- schub |

Type 1



Type 2



| Type | Wire cross section qmm | Form E=Single B=chain | Part number | Specification | Material | Surface |
|------|----------------------------------|-----------------------------|----------------|---------------------|-----------|------------|
| 1 | 0.2 - 0.35 | B | 28287.306.185 | MAK 1.5 x 0.6 / 0.8 | Copper | Sn |
| 1 | 0.5 - 1.0 | B | 28288.306.185 | MAK 1.5 x 0.6 / 0.8 | Copper | Sn |
| 1 | 0.2 - 0.35 | B | 28271.306.185 | MAK 2.8 x 0.8 | Copper | Sn |
| 1 | 0.5 - 1.0 | B | 28272.306.185 | MAK 2.8 x 0.8 | Copper | Sn |
| 1 | 1.5 - 2.5 | B | 28273.306.185 | MAK 2.8 x 0.8 | Copper | Sn |
| 2 | 0.2 - 0.35 | B | 28304.306.185 | MAK 6.3 x 0.6 / 0.8 | Copper | Sn |
| 2 | 0.5 - 1.0 | B | 28305.306.185 | MAK 6.3 x 0.6 / 0.8 | Copper | Sn |
| 2 | 1.0 - 2.5 | B | 28306.306.185 | MAK 6.3 x 0.6 / 0.8 | Copper | Sn |
| 2 | 2.5 - 4.0 | B | 28307.306.185 | MAK 6.3 x 0.6 / 0.8 | Copper | Sn |
| Typ | Nenn- quer- schnitt qmm | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

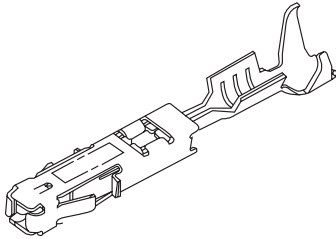
MAK PLUS

Closed box contact systems
1.5 / 2.8 / 6.3 mm

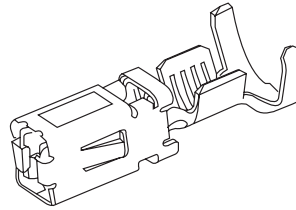
MAK

Geschlossene Kontaktsysteme
1,5 / 2,8 / 6,3 mm

Type 1



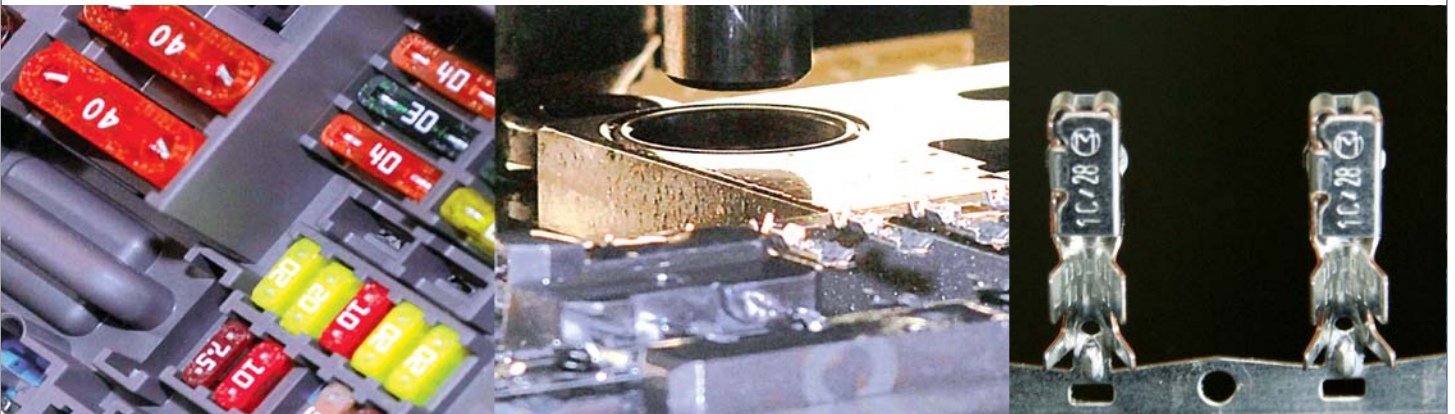
Type 2



| Type | Wire cross section qmm | Form E=Single B=chain | Part number | Specification | Material | Surface |
|------|------------------------|-----------------------|---------------|--------------------------|-----------|------------|
| 1 | 0.2 - 0.35 | B | 28354.306.185 | MAK PLUS 1.5 x 0.6 / 0.8 | Copper | Sn |
| 1 | 0.5 - 1.0 | B | 28355.306.185 | MAK PLUS 1.5 x 0.6 / 0.8 | Copper | Sn |
| 1 | 0.2 - 0.35 | B | 28318.306.185 | MAK PLUS 2.8 x 0.8 | Copper | Sn |
| 1 | 0.5 - 1.0 | B | 28319.306.185 | MAK PLUS 2.8 x 0.8 | Copper | Sn |
| 1 | 1.5 - 2.5 | B | 28320.306.185 | MAK PLUS 2.8 x 0.8 | Copper | Sn |
| 2 | 0.5 - 1.0 | B | 28364.306.185 | MAK PLUS 6.3 x 0.6 / 0.8 | Copper | Sn |
| 2 | 1.0 - 2.5 | B | 28365.306.185 | MAK PLUS 6.3 x 0.6 / 0.8 | Copper | Sn |
| 2 | 4.0 | B | 28366.306.185 | MAK PLUS 6.3 x 0.6 / 0.8 | Copper | Sn |
| Typ | Nenn-quer-schnitt qmm | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

Receptacles

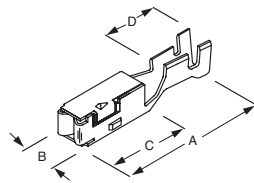
Flachsteckhülsen



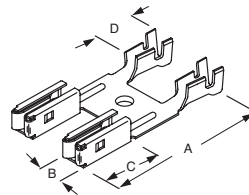
Receptacles

Flachsteckhülsen

Type 1



Type 2



Mini-fuse single receptacle

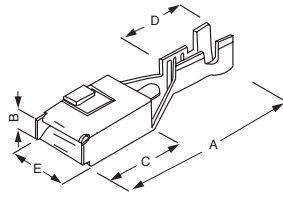
Mini-fuse busbar receptacle

| Type | Wire cross section qmm | Mating tab size mm | A | B | C | D | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------------|-------|------|------|------|--------------------|-----------------------|-------------|-----------|------------|----------------|
| 1 | 0.35 | 2.8x0.8 | 19.80 | 5.10 | 9.75 | 7.50 | 0.4 | B | 320100340 | CuSn | Sn | NQ |
| 1 | 0.6 ÷ 1 | 2.8x0.8 | 19.80 | 5.10 | 9.75 | 7.50 | 0.4 | B | 320100357 | CuSn | Sn | NQ |
| 1 | 1.4 ÷ 2 | 2.8x0.8 | 19.80 | 5.10 | 9.75 | 7.50 | 0.4 | B | 320100365 | CuSn | Sn | NQ |
| 1 | 3 ÷ 5 | 2.8x0.8 | 19.80 | 5.10 | 9.75 | 7.50 | 0.4 | B | 320100373 | CuSn | Sn | NQ |
| 2 | 0.6 ÷ 1 | 2.8x0.8 | 29.10 | 5.10 | 9.75 | 7.50 | 0.4 | B | 320100381 | CuSn | Sn | NQ |
| 2 | 1.4 ÷ 2 | 2.8x0.8 | 29.10 | 5.10 | 9.75 | 7.50 | 0.4 | B | 320100399 | CuSn | Sn | NQ |
| 2 | 3 ÷ 5 | 2.8x0.8 | 29.10 | 5.10 | 9.75 | 7.50 | 0.4 | B | 320100415 | CuSn | Sn | NQ |
| Typ | Nennquerschnitt qmm | Gegenstecker mm | A | B | C | D | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vor-schub |

Receptacles

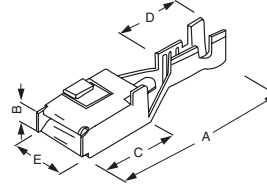
Flachsteckhülsen

Type 1



Micro-relay receptacles

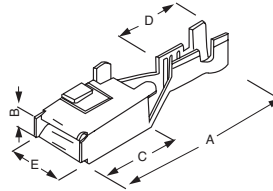
Type 2



Ato-fuse receptacles

| Type | Wire cross section qmm | Mating tab size mm | A | B | C | D | E | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------------|------|------|------|-----|-----|--------------------|-----------------------|-------------|--------------|------------|----------------|
| 1 | 0.35 ÷ 1 | 6.35x0.8 | 22.5 | 3.45 | 9.06 | 9.0 | 7.6 | 0.35 | B | 320100423 | Copper alloy | Sn | NQ |
| 1 | 1.5 ÷ 2.5 | 6.35x0.8 | 22.5 | 3.45 | 9.06 | 9.0 | 7.6 | 0.35 | B | 320100431 | Copper alloy | Sn | NQ |
| 1 | 3 ÷ 6 | 6.35x0.8 | 22.5 | 3.45 | 9.06 | 9.0 | 7.6 | 0.35 | B | 320100472 | Copper alloy | Sn | NQ |
| 2 | 0.35 ÷ 1 | 6.35x0.8 | 22.5 | 3.45 | 9.06 | 9.0 | 7.6 | 0.35 | B | 320100480 | Copper alloy | Sn | NQ |
| 2 | 1.5 ÷ 2.5 | 6.35x0.8 | 22.5 | 3.45 | 9.06 | 9.0 | 7.6 | 0.35 | B | 320100498 | Copper alloy | Sn | NQ |
| 2 | 3 ÷ 6 | 6.35x0.8 | 22.5 | 3.45 | 9.06 | 9.0 | 7.6 | 0.35 | B | 320100514 | Copper alloy | Sn | NQ |
| Typ | Nennquerschnitt qmm | Gegenstecker mm | A | B | C | D | E | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vor-schub |

Type 1



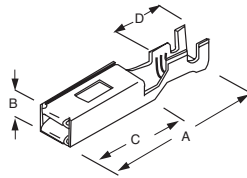
Iso-relay receptacles

| Type | Wire cross section qmm | Mating tab size mm | A | B | C | D | E | Material thickness | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------------|------|------|------|-----|-----|--------------------|-----------------------|-------------|--------------|------------|----------------|
| 1 | 0.35 ÷ 1 | 6.35x0.8 | 22.5 | 3.45 | 9.06 | 9.0 | 7.6 | 0.35 | B | 320100530 | Copper alloy | Sn | NQ |
| 1 | 1.5 ÷ 2.5 | 6.35x0.8 | 22.5 | 3.45 | 9.06 | 9.0 | 7.6 | 0.35 | B | 320100548 | Copper alloy | Sn | NQ |
| 1 | 3 ÷ 6 | 6.35x0.8 | 22.5 | 3.45 | 9.06 | 9.0 | 7.6 | 0.35 | B | 320100555 | Copper alloy | Sn | NQ |
| Typ | Nennquerschnitt qmm | Gegenstecker mm | A | B | C | D | E | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.vor-schub |

Receptacles

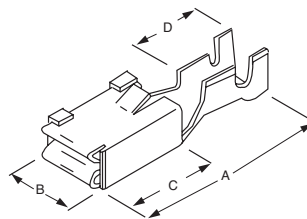
Flachsteckhülsen

Type 1



| Type | Wire cross section qmm | Mating tab size mm | A | B | C | D | Material thickness | Form E=Single B=Chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------------|------|-----|-----|-----|--------------------|-----------------------|-------------|--------------|------------|-----------------|
| 1 | 1 ÷ 2 | 2.8x0.8 | 20.0 | 3.3 | 9.5 | 7.5 | 0.35 | B | 320101108 | Copper alloy | Sn | NQ |
| 1 | 2.5 ÷ 4 | 2.8x0.8 | 20.0 | 3.3 | 9.5 | 7.5 | 0.35 | B | 320101116 | Copper alloy | Sn | NQ |
| 1 | 0.35 ÷ 0.75 | 2.8x0.8 | 20.0 | 3.3 | 9.5 | 7.5 | 0.35 | B | 320101124 | Copper alloy | Sn | NQ |
| 1 | 0.35 ÷ 0.75 | 2.8x0.8 | 20.0 | 3.3 | 9.5 | 7.5 | 0.35 | B | 320200355 | Copper alloy | Sn | NQ |
| 1 | 1 ÷ 2 | 2.8x0.8 | 20.0 | 3.3 | 9.5 | 7.5 | 0.35 | B | 320200363 | Copper alloy | Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | Gegen-stecker mm | A | B | C | D | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Type 1



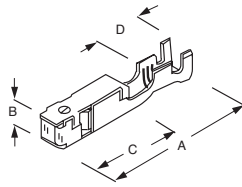
Maxi-fuse receptacles

| Type | Wire cross section qmm | Mating tab size mm | A | B | C | D | Material thickness | Form E=Single B=Chain | Part number | Material | Surface | Terminal feed |
|------|------------------------|--------------------|-------|------|------|-----|--------------------|-----------------------|-------------|--------------|------------|-----------------|
| 1 | 3 ÷ 5 | 8 x 0.8 | 25.45 | 9.95 | 12.1 | 7.5 | 0.5 | B | 320101207 | Copper alloy | Sn | NQ |
| 1 | 5 ÷ 10 | 8 x 0.8 | 25.45 | 9.95 | 12.1 | 7.5 | 0.5 | B | 320101215 | Copper alloy | Sn | NQ |
| 1 | 1.5 ÷ 2.5 | 6.3 x 0.8 | 25.45 | 9.95 | 12.1 | 7.5 | | B | 3202500Y7 | Copper alloy | Sn | NQ |
| Typ | Nenn-quer-schnitt qmm | Gegen-stecker mm | A | B | C | D | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

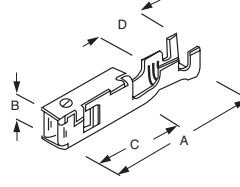
Receptacles

Flachsteckhülsen

Type 1



Type 2



1.5 mm M2000-2 Receptacles
2.8 mm M2000-2 Receptacles

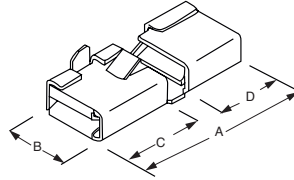
1,5 mm M2000-2 Flachsteckhülsen
2,8 mm M2000-2 Flachsteckhülsen

| Type | Wire cross section qmm | Mating tab size mm | A | B | C | D | Mat-erial thickness | Form E=single B=chain | Part number | Material | Surface | Ter- minal feed |
|------|-------------------------|--------------------|------|-----|------|-----|---------------------|-----------------------|-------------|--------------|------------|-------------------|
| 1 | 0.35 ÷ 1 | 1.5x0.8 | 19.9 | 2.6 | 10.1 | 6.5 | 0.3 | B | 320103005 | Copper alloy | Sn | NQ |
| 1 | 1.0 ÷ 2.0 | 1.5x0.8 | 19.9 | 2.6 | 10.1 | 6.5 | 0.3 | B | 320103013 | Copper alloy | Sn | NQ |
| 2 | 0.35 ÷ 0.75 | 2.8x0.8 | 19.9 | 4.0 | 10.1 | 6.3 | 0.32 | B | 320103021 | Copper alloy | Sn | NQ |
| 2 | 1 ÷ 2.5 | 2.8x0.8 | 19.9 | 4.0 | 10.1 | 6.3 | 0.32 | B | 320103039 | Copper alloy | Sn | NQ |
| 2 | 3 ÷ 5 | 2.8x0.8 | 19.9 | 4.0 | 10.1 | 6.3 | 0.32 | B | 320103047 | Copper alloy | Sn | NQ |
| Typ | Nenn- quer- schnitt qmm | Gegen- stecker mm | A | B | C | D | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.- vor- schub |

Receptacles

Flachsteckhülsen

Type 1

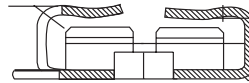
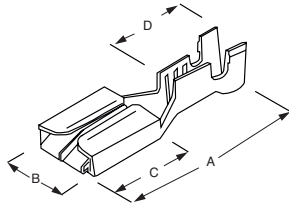


| Type | Mating tab size mm | A | B | C | D | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal feed |
|------|--------------------|-------|------|------|-----|--------------------|-----------------------|-------------|--------------|------------|-----------------|
| 1 | 8.0x0.8 | 25.45 | 9.95 | 12.0 | 9.4 | 0.5 | E | 320200058 | Copper alloy | Sn | |
| 1 | 8.0x0.8 | 25.45 | 9.95 | 12.0 | 9.4 | 0.5 | B | 320200082 | Copper alloy | Sn | NQ |
| Typ | Gegenstecker mm | A | B | C | D | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Receptacles

Flachsteckhülsen

Type 1



| Type | Wire cross section qmm | Mating tab size mm | A | B | C | D | Form E=Single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|----------------------------------|-------------------------|------|------|-----|-----|-----------------------------|-------------|--------------|------------|-------------------------|--------------|
| 1 | 0.35 - 1.0 | 6.35x0.8 | 21.5 | 7.57 | 9.1 | 9.0 | B | 320200090 | Copper alloy | Sn | NQ | |
| 1 | 1.5 - 2.5 | 6.35x0.8 | 21.5 | 7.57 | 9.1 | 9.0 | B | 320200108 | Copper alloy | Sn | NQ | |
| 1 | 3.0 - 6.0 | 6.35x0.8 | 21.5 | 7.57 | 9.1 | 9.0 | B | 320200116 | Copper alloy | Sn | NQ | |
| 1 | 1.0 - 3.0 | 6.35x0.8 | 21.5 | 7.57 | 9.1 | 9.0 | B | 320200181 | Copper alloy | Sn | NQ | *1 |
| 1 | 0.35 - 1.0 | 6.35x0.8 | 21.5 | 7.57 | 9.1 | 9.0 | B | 320200298 | Copper alloy | Sn | NQ | *1 |
| 1 | 3.0 - 6.0 | 6.35x0.8 | 21.5 | 7.57 | 9.1 | 9.0 | B | 320200314 | Copper alloy | Sn | NQ | *1 |
| 1 | 0.35 - 1.0 | 6.35x0.8 | 21.5 | 7.57 | 9.1 | 9.0 | B | 320200322 | Copper alloy | Sn | NQ | |
| 1 | 1.5 - 2.5 | 6.35x0.8 | 21.5 | 7.57 | 9.1 | 9.0 | B | 320200330 | Copper alloy | Sn | NQ | |
| 1 | 3.0 - 6.0 | 6.35x0.8 | 21.5 | 7.57 | 9.1 | 9.0 | B | 320200348 | Copper alloy | Sn | NQ | |
| Typ | Nenn- quer- schnitt qmm | Gegen- stecker mm | A | B | C | D | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.- vor- schub | Fuß- note |

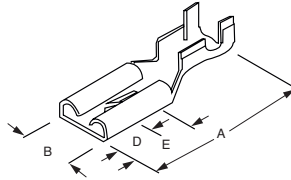
*1 With polarization lance

*1 Mit Orientierungslasche

Receptacles

Flachsteckhülsen

Type 1

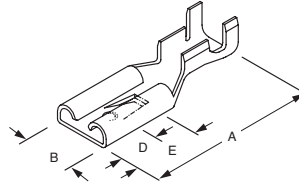


| Type | Wire cross section qmm | Mating tab size mm | A | B | D | E | Form E=single B=chain | Part number | Material | Surface | Terminal feed |
|------|----------------------------------|-------------------------|------|-----|-----|-----|-----------------------------|-------------|-----------|------------|------------------------|
| 1 | 1.5 ÷ 3 | 6.35x0.8 | 19.2 | 6.8 | 4.0 | 6.8 | B | 320204449 | CuZn | Sn | NQ |
| 1 | 3 ÷ 6 | 6.35x0.8 | 19.2 | 6.8 | 4.0 | 6.8 | B | 320205834 | CuZn | Sn | NQ |
| 1 | 0.4 ÷ 1.5 | 6.35x0.8 | 19.2 | 6.8 | 4.0 | 6.8 | B | 320205842 | CuZn | Sn | NQ |
| Typ | Nenn- quer- schnitt qmm | Gegen- stecker mm | A | B | D | E | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb- vor- schub |

Receptacles

Flachsteckhülsen

Type 1



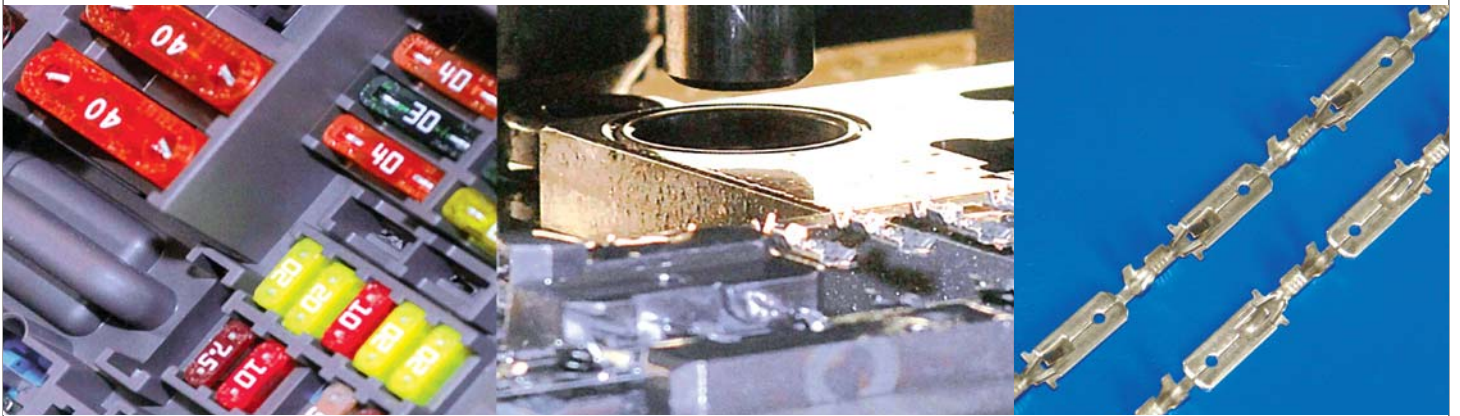
| Type | Wire cross section qmm | Mating tab size mm | A | B | D | E | Form E=Single B=chain | Part number | Material | Surface | Terminal feed | Foot-note |
|------|----------------------------------|-------------------------|------|-----|-----|-----|-----------------------------|-------------|-----------|------------|-------------------------|--------------|
| 1 | 2.5 - 3 | 6.35 x 0.8 | 19.6 | 7.5 | | 7.8 | B | 320200819 | CuZn | Sn | L | *1 |
| 1 | 0.6 - 2 | 6.35 x 0.8 | 19.6 | 7.5 | | 7.8 | B | 320200827 | CuZn | Sn | L | *1 |
| 1 | 2.5 - 3 | 6.35 x 0.8 | 19.6 | 7.5 | 7.4 | 7.8 | B | 320200918 | CuZn | Sn | L | |
| 1 | 0.6 - 2 | 6.35 x 0.8 | 19.6 | 7.5 | 7.4 | 7.8 | B | 320200926 | CuZn | Sn | L | |
| 1 | 0.4 - 1 | 6.35 x 0.8 | 18.9 | 6.7 | 6.8 | 7.8 | B | 320206873 | CuZn | Sn | L | |
| 1 | 3.0 - 6.0 | 6.35 x 0.8 | 18.9 | 6.7 | 6.8 | 7.8 | B | 320206881 | CuZn | Sn | L | |
| 1 | 1.5 - 2.5 | 6.35 x 0.8 | 18.9 | 6.7 | 7 | 7.8 | B | 320206899 | CuZn | Sn | L | |
| Typ | Nenn- quer- schnitt qmm | Gegen- stecker mm | A | B | D | E | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.- vor- schub | Fuß- note |

*1 Without locking device

*1 Ohne Verriegelungslashe

Tabs

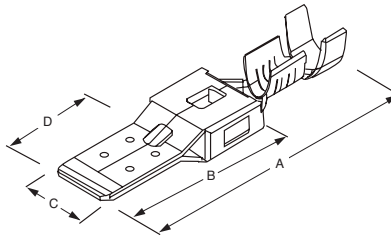
Flachstecker



Tabs

Flachstecker

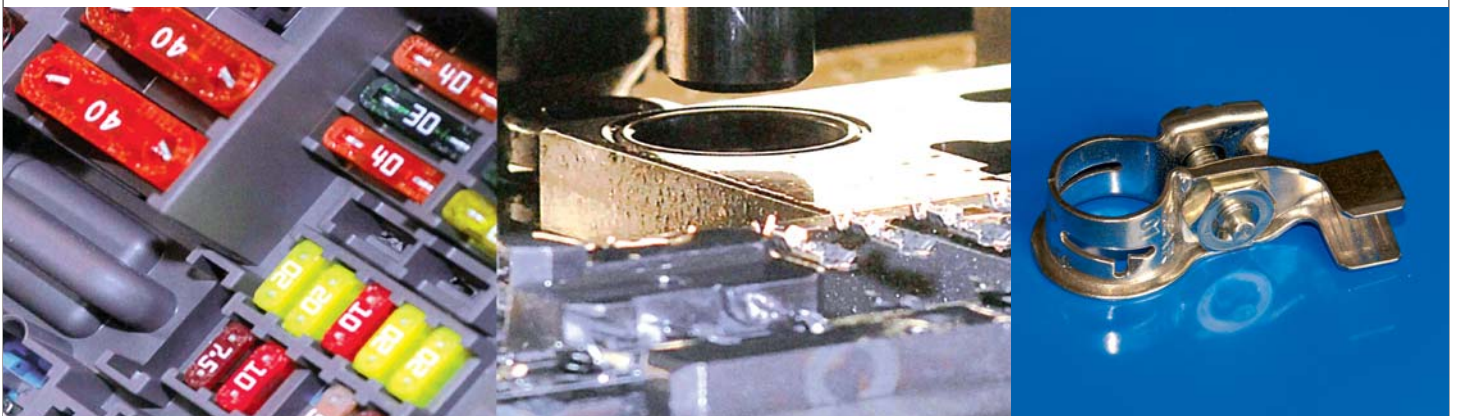
Type 1



| Type | Wire cross section qmm | A | B | C | D | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|-------|------|------|-----|--------------------|-----------------------|------------------|-----------|------------|-----------------|
| 1 | 0.5 - 1.0 | 31.55 | 18.9 | 6.35 | 7.6 | 0.3 | B | 320100621 | CuZn | Sn | SQ |
| 1 | 1.5 - 2.5 | 31.55 | 18.9 | 6.35 | 7.6 | 0.3 | B | 320100647 | CuZn | Sn | SQ |
| 1 | 4.0 - 6.0 | 31.55 | 18.9 | 6.35 | 7.6 | 0.3 | B | 320100654 | CuZn | Sn | SQ |
| Typ | Nennquerschnitt qmm | A | B | C | D | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Splices and Battery Terminals

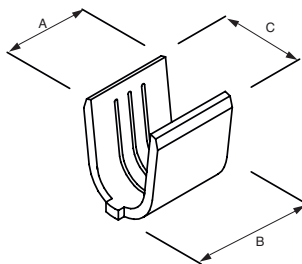
Kabelverbinder und Batterieklemmen



Splices and Battery Terminals

Kabelverbinder und Batterieklemmen

Type 1

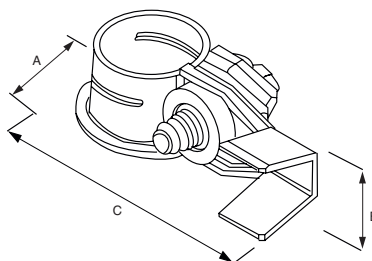


| Type | Wire cross section qmm | Hole diameter | A | B | C | Material thickness | Form E=Single B=chain | Part number | Material | Terminal Feed |
|------|------------------------|---------------|---|----|-----|--------------------|-----------------------|-------------|-----------|----------------|
| 1 | 6 ÷ 10 | | 7 | 10 | 6 | 0.8 | B | 329900237 | CuZn | SQ |
| 1 | 2 ÷ 5 | 1.6 | 5 | 7 | 3.8 | 0.5 | B | 329900468 | CuZn | SQ |
| 1 | 10 ÷ 20 | | 9 | 11 | 7 | 0.8 | B | 329901219 | CuZn | SQ |
| 1 | 2.5 ÷ 6 | 1.6 | 5 | 6 | 4.5 | 0.7 | B | 329901359 | CuZn | SQ |
| Typ | Nennquerschnitt qmm | Bohr.-Ø | A | B | C | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Verb.-vorschub |

Splices and Battery Terminals

Kabelverbinder und Batterieklemmen

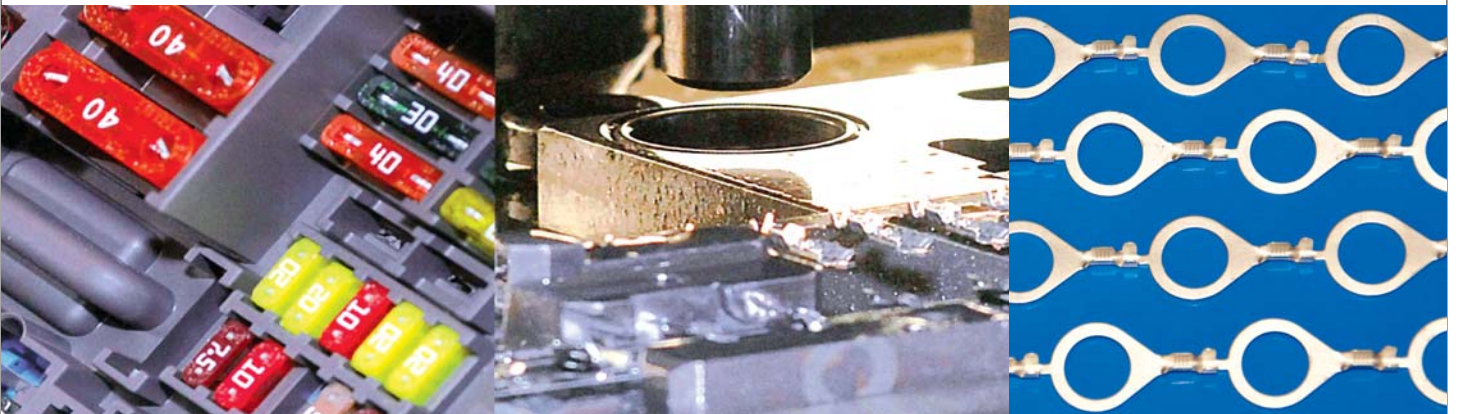
Type 1



| Type | Wire cross section qmm | A | B | C | Material thickness | Form E=single B=chain | Part number | Specification | Material | Surface |
|------|------------------------|------|------|------|--------------------|-----------------------|-------------|---------------|-----------|------------|
| 1 | 15 - 31 | 25.2 | 10.2 | 57.2 | 1.3 | E | 341400463 | neg left | CuZn | Sn |
| 1 | 27 - 50 | 25.2 | 10.2 | 57.2 | 1.3 | E | 341400513 | neg left | CuZn | Sn |
| 1 | 15 - 31 | 25.2 | 10.2 | 57.2 | 1.3 | E | 341400562 | neg right | CuZn | Sn |
| 1 | 27 - 50 | 25.2 | 10.2 | 57.2 | 1.3 | E | 341400653 | neg right | CuZn | Sn |
| Typ | Nenn-quer-schnitt qmm | A | B | C | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

Ring and Spade Terminals

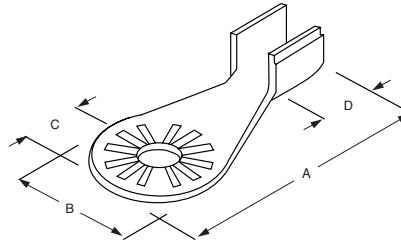
Kabelschuhe



Ring and Spade Terminals

Kabelschuhe

Type 1

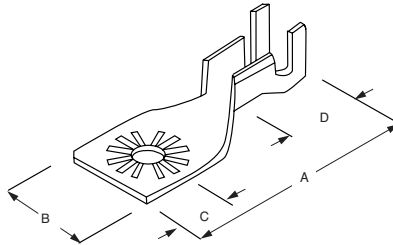


| Type | Wire cross section qmm | Hole diameter | A | B | C | D | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|---------------|------|------|-----|------|--------------------|-----------------------|-------------|-----------|------------|----------------|
| 1 | 16 - 25 | 8.65 | 36.8 | 19.4 | 9.7 | 10.6 | 1.2 | B | 318547171 | CuZn | Sn | L |
| Typ | Nennquerschnitt qmm | Bohr.-Ø | A | B | C | D | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vorschub |

Ring and Spade Terminals

Kabelschuhe

Type 1

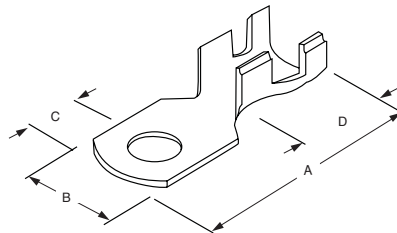


| Type | Wire cross section qmm | Hole diameter | A | B | C | D | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|----------------------------------|---------------|------|------|------|------|--------------------|----------------------------|-------------|-----------|------------|
| 1 | 7 ÷ 15 | 8.5 | 52.3 | 22.0 | 11.0 | 18.9 | 1.5 | E | 320100969 | CuZn | Sn |
| 1 | 14 ÷ 27 | 8.5 | 52.3 | 22.0 | 11.0 | 18.9 | 1.5 | E | 320100977 | CuZn | Sn |
| 1 | 25 ÷ 40 | 8.5 | 52.3 | 22.0 | 11.0 | 18.5 | 1.5 | E | 320102155 | CuZn | Sn |
| 1 | 14 ÷ 27 | 10.25 | 52.3 | 22.0 | 11.0 | 18.5 | 1.5 | E | 320102163 | CuZn | Sn |
| 1 | 25 ÷ 40 | | 50.3 | 22.0 | 9.0 | 18.5 | 1.5 | E | 3201500d8 | CuZn | Sn |
| Typ | Nenn- quer- schnitt qmm | Bohr- Ø | A | B | C | D | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Ring and Spade Terminals

Kabelschuhe

Type 1

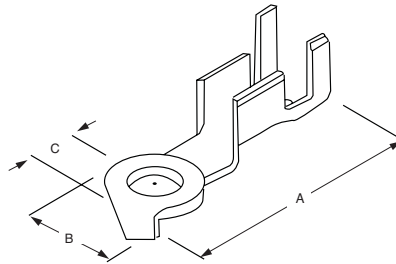


| Type | Wire cross section qmm | Hole diameter | A | B | C | D | Material thickness | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed |
|------|------------------------|---------------|------|------|------|-----|--------------------|-----------------------|-------------|---------------|-----------|------------|---------------|
| 1 | 1.8 - 3.6 | 6.25 | 23.0 | 10.0 | 5.8 | 9.0 | 0.7 | B | 320101033 | Ring terminal | CuZn | Sn | L |
| 1 | 3.15 - 6 | 6.25 | 23.0 | 10.0 | 5.8 | 9.0 | 0.7 | B | 320101041 | Ring terminal | CuZn | Sn | L |
| 1 | 1.8 - 3.6 | 8.25 | 33.5 | 17.0 | 10.0 | 9.0 | 0.7 | B | 320102015 | Ring terminal | CuZn | Sn | L |
| 1 | 6 - 10.3 | 5.25 | 20.5 | 8.5 | 4.35 | 9.0 | 0.7 | B | 320102049 | Ring terminal | CuZn | Sn | L |
| 1 | 6 - 10.3 | 6.25 | 23.0 | 10.0 | 5.8 | 9.0 | 0.7 | B | 320102056 | Ring terminal | CuZn | Sn | L |
| 1 | 3.15 - 6 | 8.25 | 33.5 | 17.0 | 10.0 | 9.0 | 0.7 | B | 320102106 | Ring terminal | CuZn | Sn | L |
| Typ | Nennquerschnitt qmm | Bohr-Ø | A | B | C | D | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb-vorschub |

Ring and Spade Terminals

Kabelschuhe

Type 1

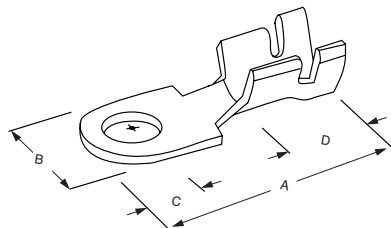


| Type | Wire cross section qmm | Hole diameter | A | B | C | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|----------------------------------|---------------|------|------|------|--------------------|-----------------------------|-------------|-----------|------------|
| 1 | 6 - 15 | 8.5 | 45.0 | 20.0 | 10.0 | 1.5 | E | 320102189 | CuZn | Sn |
| 1 | 16 - 26 | 10.7 | 45.5 | 20.0 | 12.0 | 1.5 | E | 320102122 | CuZn | Sn |
| 1 | 25 - 35 | 10.7 | 45.5 | 20.0 | 12.0 | 1.5 | E | 320102130 | CuZn | Sn |
| 1 | 7 - 15 | 10.7 | 45.5 | 20.0 | 12.0 | 1.5 | E | 320102171 | CuZn | Sn |
| Typ | Nenn- quer- schnitt qmm | Bohr- Ø | A | B | C | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

Ring and Spade Terminals

Kabelschuhe

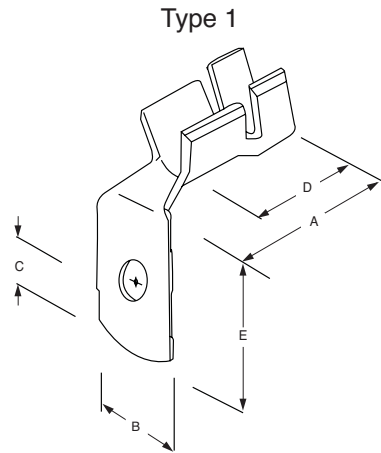
Type 1



| Type | Wire cross section qmm | Hole diameter | A | B | C | D | Material thickness | Form E=Single B=chain | Part number | Specification | Material | Surface | Terminal Feed |
|------|------------------------|---------------|------|------|-----|-----|--------------------|-----------------------|-------------|---------------|-----------|------------|-----------------|
| 1 | 1.5 + 2.5 | 6.25 | 23.5 | 12.0 | 6.0 | 9.0 | 0.8 | B | 320100456 | Ring terminal | CuZn | | L |
| 1 | 3 + 6 | 6.25 | 23.5 | 12.0 | 6.0 | 9.0 | 0.8 | B | 320100464 | Ring terminal | CuZn | Sn | L |
| 1 | 1.5 - 2.5 | 5.25 | 23.5 | 12.0 | 6.0 | 9.0 | 0.8 | B | 320102262 | Ring terminal | CuZn | Sn | L |
| 1 | 1.5 - 2.5 | 6.25 | 23.5 | 12.0 | 6.0 | 9.0 | 0.8 | B | 320102270 | Ring terminal | CuZn | | L |
| 1 | 0.4 + 1 | 6.25 | 23.5 | 12.0 | 6.0 | 9.0 | 0.8 | B | 320105067 | Ring terminal | CuZn | Sn | L |
| 1 | 0.4 + 1 | 5.25 | 23.5 | 12.0 | 6.0 | 9.0 | 0.8 | B | 320105224 | Ring terminal | CuZn | Sn | L |
| Typ | Nennquerschnitt qmm | Bohr.-Ø | A | B | C | D | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche | Verb.-vor-schub |

Ring and Spade Terminals

Kabelschuhe

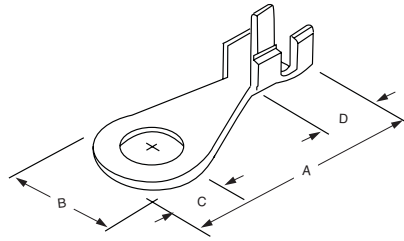


| Type | Wire cross section qmm | Hole diameter | A | B | C | D | E | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|----------------------------------|---------------|------|----|----|-----|----|--------------------|-----------------------------|-------------|-----------|------------|
| 1 | 6 - 10 | 6.25 | 18.7 | 17 | 12 | 8.7 | 24 | 1 | E | 320102205 | CuZn | Sn |
| Typ | Nenn- quer- schnitt qmm | Bohr- Ø | A | B | C | D | E | Mat.- dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

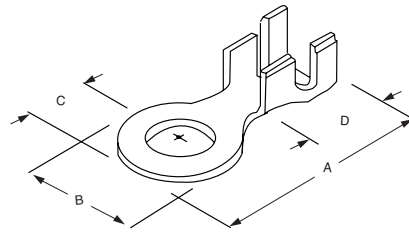
Ring and Spade Terminals

Kabelschuhe

Type 1



Type 2

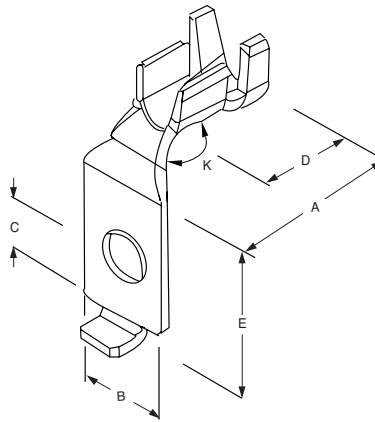


| Type | Wire cross section qmm | Hole diameter | A | B | C | D | Material thickness | Form E=Single B=chain | Part number | Material | Surface | Terminal Feed |
|------|------------------------|---------------|-------|------|------|------|--------------------|-----------------------|-------------|-----------|------------|-----------------|
| 1 | 6 - 10 | 6.5 | 29.0 | 12.0 | 6.0 | 12.0 | 1.0 | B | 320100522 | CuZn | Sn | L |
| 1 | 1.5 - 2.5 | 6.5 | 28.0 | 12.0 | 6.0 | 9.0 | 0.6 | B | 320100563 | CuZn | Sn | L |
| 1 | 0.4 - 0.8 | 10.5 | 34.0 | 18.0 | 9.0 | 10.0 | 0.8 | B | 320103567 | CuZn | Sn | L |
| 1 | 3 - 6 | 10.5 | 34.0 | 18.5 | 9.5 | 9.0 | 1.0 | B | 320103575 | CuZn | Sn | L |
| 1 | 3 - 6 | 8.4 | 34.05 | 18.5 | 9.25 | 9.0 | 1.0 | B | 320103716 | CuZn | Sn | L |
| 1 | 6 - 10 | 8.4 | 35.7 | 18.5 | 9.25 | 11.0 | 1.0 | B | 320103997 | CuZn | Sn | L |
| 1 | 4 - 6 | 6.5 | 31.0 | 12.0 | 6.5 | 11.0 | 0.8 | B | 320105968 | CuZn | Sn | L |
| 2 | 6 - 10.3 | 10.25 | 33.5 | 20.0 | 10.0 | 9.0 | 0.7 | B | 320102023 | CuZn | Sn | L |
| 2 | 6 - 10.3 | 8.25 | 33.5 | 20.0 | 10.0 | 9.0 | 0.7 | B | 320102031 | CuZn | Sn | L |
| Typ | Nenn-quer-schnitt qmm | Bohr.-Ø | A | B | C | D | Mat-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche | Verb.-vor-schub |

Ring and Spade Terminals

Kabelschuhe

Type 1

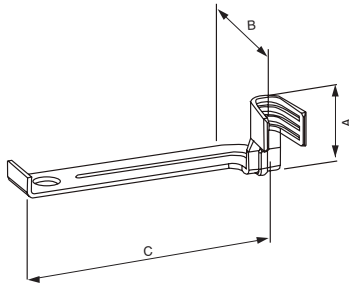


| Type | Wire cross section qmm | Hole diameter | A | B | C | D | E | Material thickness | Form E=Single B=chain | Part number | Material | Surface |
|------|------------------------|---------------|------|------|------|------|------|--------------------|-----------------------------|------------------|-----------|------------|
| 1 | 10 ÷ 16 | 8.5 | 24.5 | 16.0 | 13.0 | 17.0 | 26.3 | 1.65 | E | 340400407 | CuZn | Sn |
| Typ | Nenn-quer-schnitt qmm | Bohr.-Ø | A | B | C | D | E | Mat.-dicke | Form E=Einzel B=Band | Teile-Nr. | Werkstoff | Oberfläche |

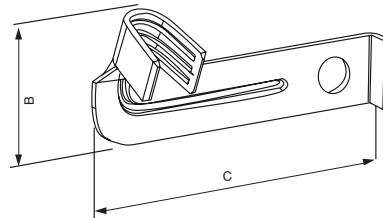
Ring and Spade Terminals

Kabelschuhe

Type 1



Type 2

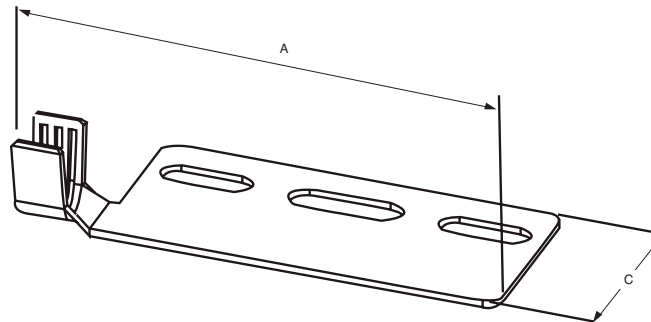


| Type | A | B | C | Ma- terial thick- ness | Form E=Single B=chain | Part number | Specification | Material | Surface |
|------|------|-------|------|---------------------------------|-----------------------------|----------------|-----------------|-----------|------------|
| 1 | 16.8 | 22.95 | 75.7 | 1.5 | E | 320150915 | Ground terminal | CuZn | Sn |
| 2 | | 32.95 | 75.5 | 1.5 | E | 3201505D3 | Ground terminal | CuZn | Sn |
| 2 | | 32.95 | 75.5 | 1.5 | E | 3201505F8 | Ground terminal | CuZn | Sn |
| Typ | A | B | C | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

Ring and Spade Terminals

Kabelschuhe

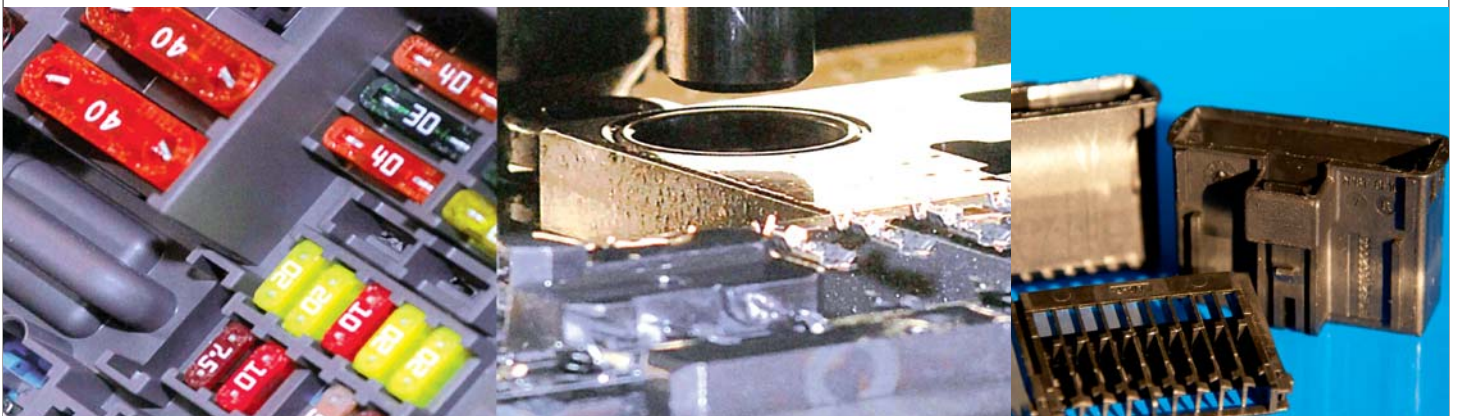
Type 1



| Type | A | C | Ma- terial thick- ness | Form E=Single B=chain | Part number | Specification | Material | Surface |
|------|----|----|---------------------------------|-----------------------------|----------------|-----------------|-----------|------------|
| 1 | 88 | 38 | 1.5 | E | 320100928 | Ground terminal | CuZn | Sn |
| Typ | A | C | Mat- dicke | Form E=Einzel B=Band | Teile-Nr. | Bezeichnung | Werkstoff | Oberfläche |

**Receptacle Housings
and Splice Connectors**

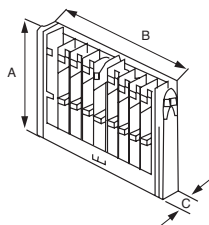
**Gehäuse für Steckhülsen
und Steckverbinder**



Receptacle Housings and Splice Connectors

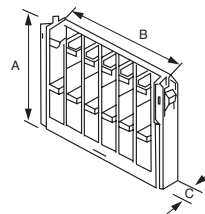
Gehäuse für Steckhülsen und Steckverbinder

Type 1



9 way x 1.5 mm, pitch 3.33 mm
9 polig x 1,5 mm, Rastermaß 3,33 mm

Type 2



6 way x 2.8 mm, pitch 5 mm
6 polig x 2,8 mm, Rastermaß 5 mm

| Type | A | B | C | Part number | Material | Colour |
|------|------|------|------|-------------|-----------|---------|
| 1 | 26.0 | 37.2 | 4.85 | 321600009 | PBT | schwarz |
| 1 | 26.0 | 37.2 | 4.85 | 321601858 | PBT | braun |
| 1 | 26.0 | 37.2 | 4.85 | 321601866 | PBT | blau |
| 1 | 26.0 | 37.2 | 4.85 | 321601874 | PBT | grau |
| 1 | 26.0 | 37.2 | 4.85 | 321601882 | PBT | natur |
| 2 | 26.0 | 37.2 | 4.85 | 321600405 | PBT | schwarz |
| 2 | 26.0 | 37.2 | 4.85 | 321601932 | PBT | braun |
| 2 | 26.0 | 37.2 | 4.85 | 321601940 | PBT | blau |
| 2 | 26.0 | 37.2 | 4.85 | 321601957 | PBT | grau |
| 2 | 26.0 | 37.2 | 4.85 | 321601965 | PBT | natur |
| Typ | A | B | C | Teile-Nr. | Werkstoff | Farbe |

Type 1: Mating Lear terminals: 320103005 and 320103013
Typ 1: Passende Lear Kontakte: 320103005 und 320103013

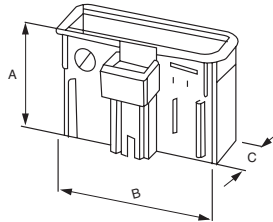
Type 2: Mating Lear terminals : 320103201, 320103039 and 3201030347
Typ 2: Passende Lear Kontakte: 320103201, 320103039 und 320103047

Type 1 a.2: Mating cover housings: See page 479 PLIC housing
Typ 1 u.2: Umgehäuse siehe Seite 479 PLIC Gehäuse

Receptacle Housings and Splice Connectors

Gehäuse für Steckhülsen und Steckverbinder

Type 1



PLIC Female cover housing
PLIC Federkontakte Umgehäuse

| Type | A | B | C | Part number | Material | Colour |
|------|------|------|------|-------------|-----------|---------|
| 1 | 27.0 | 41.2 | 12.1 | 321602005 | PBT | schwarz |
| 1 | 27.0 | 41.2 | 12.1 | 321602013 | PBT | grau |
| 1 | 27.0 | 41.2 | 12.1 | 321602021 | PBT | blau |
| 1 | 27.0 | 41.2 | 12.1 | 321602039 | PBT | natur |
| 1 | 27.0 | 41.2 | 12.1 | 321602047 | PBT | braun |
| 1 | 27.0 | 41.2 | 12.1 | 321615031 | PBT | grün |
| Typ | A | B | C | Teile-Nr. | Werkstoff | Farbe |

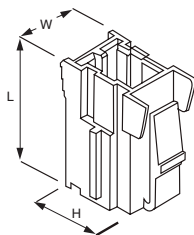
Mating inserts for male terminals see page 478
Passende Einsätze für Federkontakte siehe Seite 478

Mating male coupling housing: 321615049 and 321615056
Passende Kupplungsstiftgehäuse: 321615049 und 321615056

Receptacle Housings and Splice Connectors

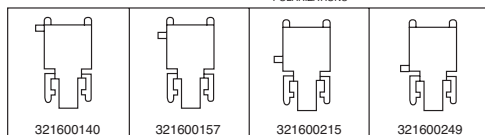
Gehäuse für Steckhülsen und Steckverbinder

Type 1



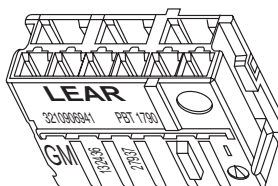
1 way x 8 mm
1 polig x 8 mm

POLARIZATIONS



| Type | L | W | H | Part number | Material | Colour |
|------|------|------|------|-------------|-----------|---------|
| 1 | 20.6 | 12.0 | 29.0 | 321600140 | PBT | natur |
| 1 | 20.6 | 12.0 | 29.0 | 321600157 | PBT | schwarz |
| 1 | 20.6 | 12.0 | 29.0 | 321600215 | PBT | blau |
| 1 | 20.6 | 12.0 | 29.0 | 321600249 | PBT | braun |
| Typ | L | H | W | Teile-Nr. | Werkstoff | Farbe |

Type 1



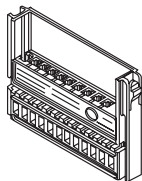
9 way module for tailgate connector

| Type | Part number | Material | Colour |
|------|-------------|-----------|--------|
| 1 | 321005941 | PBT | grau |
| Typ | Teile-Nr. | Werkstoff | Farbe |

Receptacle Housings and Splice Connectors

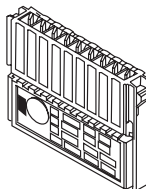
Gehäuse für Steckhülsen und Steckverbinder

Type 1



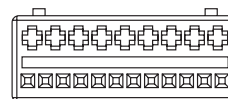
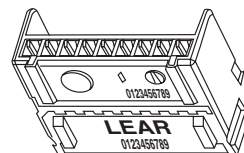
12 way MQS module 0.635 mm

Type 2



9 way timer module 1.5 mm

Type 3



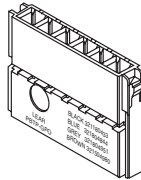
21 way module for tailgate connector

| Type | Part number | Material | Colour |
|------|-------------|-----------|---------|
| 1 | 321604431 | PBT | natur |
| 1 | 321604811 | PBT | schwarz |
| 1 | 321604829 | PBT | blau |
| 1 | 321604837 | PBT | grau |
| 1 | 321604845 | PBT | braun |
| 2 | 321604852 | PBT | schwarz |
| 2 | 321604860 | PBT | blau |
| 2 | 321604878 | PBT | grau |
| 2 | 321604886 | PBT | braun |
| 2 | 321604894 | PBT | natur |
| 2 | 321604902 | PBT | orange |
| 2 | 321604910 | PBT | grün |
| 2 | 321604928 | PBT | gelb |
| 3 | 321608925 | PBT | weiß |
| Typ | Teile-Nr. | Werkstoff | Farbe |

Receptacle Housings and Splice Connectors

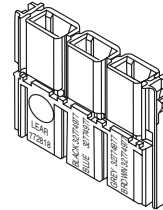
Gehäuse für Steckhülsen und Steckverbinder

Type 1



6 way timer module 2.8 mm

Type 2



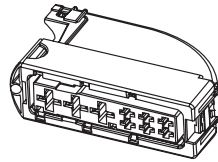
3 way timer module 6.35 mm

| Type | Part number | Material | Colour |
|------|-------------|-----------|---------|
| 1 | 321604936 | PBT | schwarz |
| 1 | 321604944 | PBT | blau |
| 1 | 321604951 | PBT | grau |
| 1 | 321604969 | PBT | braun |
| 2 | 321604977 | PBT | schwarz |
| 2 | 321604985 | PBT | blau |
| 2 | 321604993 | PBT | grau |
| 2 | 321605107 | PBT | braun |
| Typ | Teile-Nr. | Werkstoff | Farbe |

Receptacle Housings and Splice Connectors

Gehäuse für Steckhülsen und Steckverbinder

Type 1



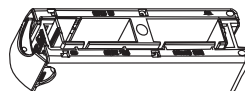
6 way timer module 2.8 mm
6 way timer module 2.8 mm plus

| Type | Part number | Specification | Material | Colour | Foot-note |
|------|-------------|--|-----------|-----------------|-----------|
| 1 | 514609197 | Power Hybrid Steckverbinder Gehäuse Schieber | PA PBT | schwarz grau | *1 |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

*1 9-way Power Hybrid Connector, Cover 321630055 not included

*1 9-poliger Power Hybrid Steckverbinder, Haube 321630055 nicht im Lieferumfang

Type 1



| Type | Part number | Specification | Material | Colour |
|------|-------------|--|------------|-----------------|
| 1 | 514600592 | Modularer Steckverbinder Rahmen Schieber | PBT PBT | grau schwarz |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

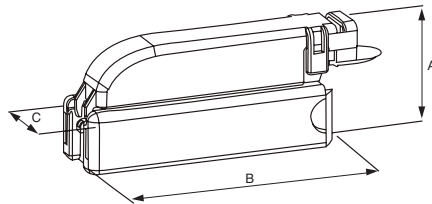
Mating inserts see page 481 and 482

Passende Innengehäuse siehe Seite 481 und 482

Receptacle Housings and Splice Connectors

Gehäuse für Steckhülsen und Steckverbinder

Type 1



| Type | A | B | C | Part number | Specification | Material | Colour | Foot-note |
|------------|----------|----------|----------|------------------|---|------------------|--------------------|--------------|
| 1 | 45.5 | 91.8 | 28.0 | 514609163 | Modularer Steckverbinder Steckerrahmen Schieber | PA6 PBTP | blau schwarz | *1 |
| 1 | 45.5 | 91.8 | 28.0 | 514609171 | Modularer Steckverbinder Steckerrahmen Schieber | PA6 PBTP | grau schwarz | *1 |
| 1 | 45.5 | 91.8 | 28.0 | 514609189 | Modularer Steckverbinder Steckerrahmen Schieber | PA6 PBTP | braun schwarz | *1 |
| 1 | | | | 514609155 | Modularer Steckverbinder Steckerrahmen Schieber | PA PBT | schwarz schwarz | *1 |
| Typ | A | B | C | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Farbe |

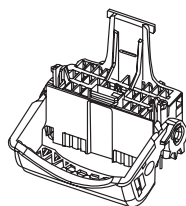
*1 Modular Connectors Cover 321630048 not included. Mating inserts see page 481 and 482

*1 Modulare Steckverbinder Haube 321300048 nicht im Lieferumfang. Passende Innengehäuse siehe Seite 481 und 482

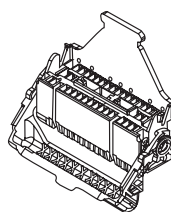
Receptacle Housings and Splice Connectors

Gehäuse für Steckhülsen und Steckverbinder

Type 1



Type 2

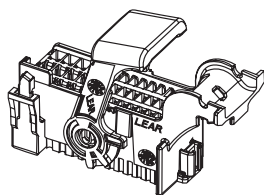


| Type | Part number | Specification | Material | Colour |
|------|-------------|---|-------------------|------------------------|
| 1 | 321606501 | 27-poliges Buchsengehäuse Einziehhilfe Sekundarverriegelung | PBT PBT PBT | grün blau rot |
| 1 | 321606519 | 27-poliges Buchsengehäuse Einziehhilfe Sekundarverriegelung | PBT PBT PBT | grau blau rot |
| 1 | 321606527 | 27-poliges Buchsengehäuse Einziehhilfe Sekundarverriegelung | PBT PBT PBT | schwarz blau rot |
| 2 | 321606543 | 41-poliges Buchsengehäuse Einziehhilfe Sekundarverriegelung | PBT PBT PBT | grün blau rot |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

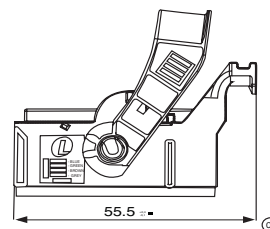
Receptacle Housings and Splice Connectors

Gehäuse für Steckhülsen und Steckverbinder

Type 1



Type 2

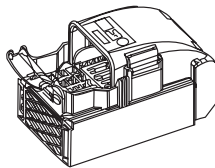


| Type | Part number | Specification | Material | Colour |
|------|-------------|---|------------------|-------------------------|
| 1 | 32165K04A | 41 - poliges Buchsengehäuse Einziehhilfe Sekundärverriegelung | PBT PA PBT | schwarz blau rot |
| 2 | 514600634 | 32 - poliges Buchsengehäuse Einziehhilfe Sekundärverriegelung | PBT PA PBT | grün schwarz rot |
| 2 | 514600642 | 32 - poliges Buchsengehäuse Einziehhilfe Sekundärverriegelung | PBT PA PBT | braun schwarz rot |
| 2 | 514600659 | 32 - poliges Buchsengehäuse Einziehhilfe Sekundärverriegelung | PBT PA PBT | grau schwarz rot |
| 2 | 514600667 | 32 - poliges Buchsengehäuse Einziehhilfe Sekundärverriegelung | PBT PA PBT | blau schwarz rot |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

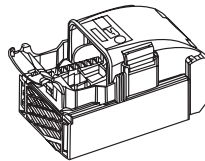
Receptacle Housings and Splice Connectors

Gehäuse für Steckhülsen und Steckverbinder

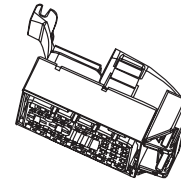
Type 1



Type 2



Type 3

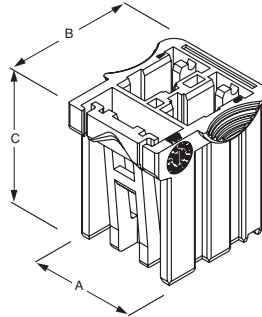


| Type | Part number | Specification | Material | Colour |
|------|-------------|---|---------------------------------|---|
| 1 | 514600600 | 41 - poliges Buchsengehäuse Sekundärverriegelung Abdeckung Schieber links Schieber rechts | PBT PBT PBT PBT PBT | grün rot schwarz natur natur |
| 2 | 514600618 | 46 - poliges Buchsengehäuse Sekundärverriegelung Abdeckung Schieber links Schieber rechts | PBT PBT PBT PBT PBT | braun rot schwarz natur natur |
| 2 | 514600626 | 46 - poliges Buchsengehäuse Sekundärverriegelung Abdeckung Schieber links Schieber rechts | PBT PBT PBT PBT PBT | blau rot schwarz natur natur |
| 3 | 514601012 | Infotainment Steckverbinder Gehäuse Abdeckung Schieber links Schieber rechts | PA PA PBT PBT | schwarz grau grau grau |
| 3 | 514609148 | Infotainment Steckverbinder Gehäuse Abdeckung Schieber links Schieber rechts | PA PA PBT PBT | schwarz grau grau grau |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Receptacle Housings and Splice Connectors

Gehäuse für Steckhülsen und Steckverbinder

Type 1

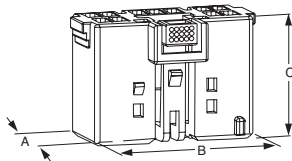


2 way x 8 mm, pitch 10.2 mm
2 polig x 8 mm, Rastermaß 10,2 mm

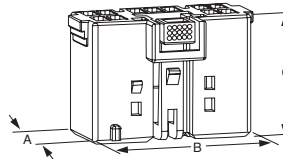
| Type | A | B | C | Part number | Material | Colour |
|------|------|-------|----|-------------|-----------|---------|
| 1 | 21.2 | 26.85 | 29 | 321600223 | PBT | grau |
| 1 | 21.2 | 26.85 | 29 | 321604654 | PBT | schwarz |
| Typ | A | B | C | Teile-Nr. | Werkstoff | Farbe |

Mating Lear Terminals: 320101207 and 320101215
Passende Lear Kontakte: 320101207 und 320101215

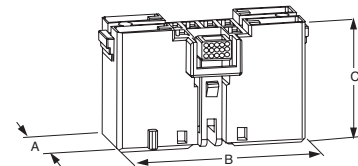
Type 1



Type 2



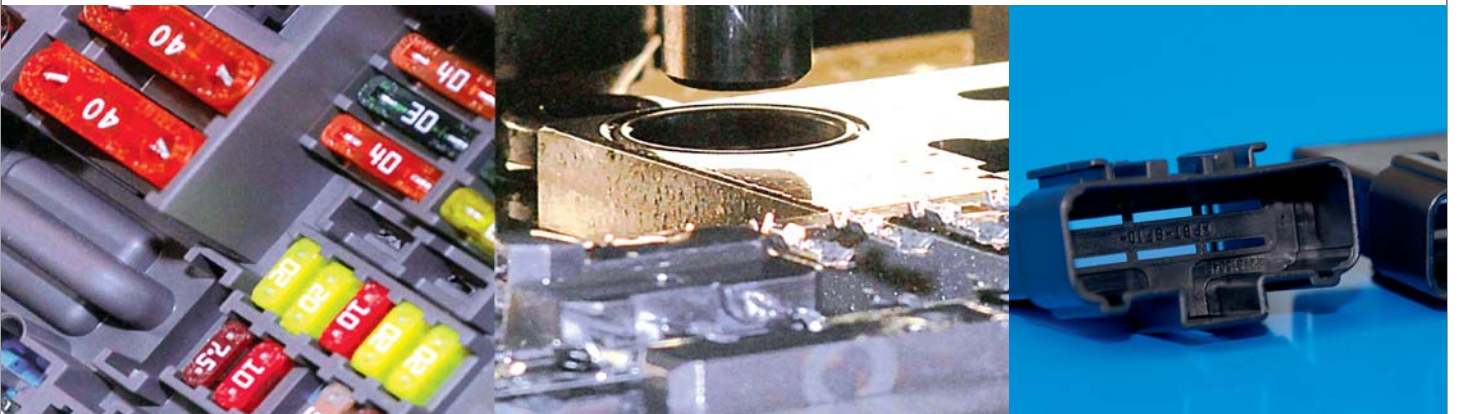
Type 3



| Type | Pitch (H) | Pitch (V) | A | B | C | Part number | Specification |
|------|------------|------------|------|-------|------|-------------|---|
| 1 | 3.85 | 6.5 | 15.5 | 42.2 | 25.0 | 514600014 | 1,5 mm Federkontaktgehäuse 15 - polig |
| 1 | 3.85 | 6.5 | 15.5 | 42.2 | 25.0 | 514600030 | 1,5 mm Federkontaktgehäuse 15 - polig |
| 2 | 5.0 | 6.8 | 15.5 | 42.25 | 25.0 | 514600055 | 2,8 mm Federkontaktgehäuse 11 - polig |
| 2 | 5.0 | 6.8 | 15.5 | 42.25 | 25.0 | 514600089 | 2,8 mm Federkontaktgehäuse 11 - polig |
| 2 | 5.0 | 6.8 | 15.5 | 42.25 | 25.0 | 514600121 | 2,8 mm Federkontaktgehäuse 11 - polig |
| 3 | | | 15.5 | 42.3 | 25.0 | 514600071 | 1,5 / 6,3 mm Federkontaktgehäuse 10 - polig |
| 3 | | | 15.5 | 42.3 | 25.0 | 514600105 | 1,5 / 6,3 mm Federkontaktgehäuse 10 - polig |
| 3 | | | 15.5 | 42.3 | 25.0 | 514600139 | 1,5 / 6,3 mm Federkontaktgehäuse 10 - polig |
| Typ | Raster (H) | Raster (V) | A | B | C | Teile-Nr. | Bezeichnung |

Tab Housings

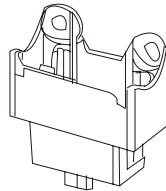
Gehäuse für Flachstecker



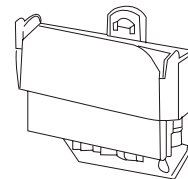
Tab Housings

Gehäuse für Flachstecker

Type 1



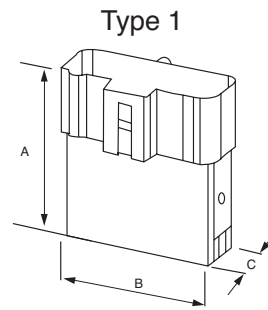
Type 2



| Type | Part number | Specification | Material | Colour |
|------|-------------|---------------------|-----------|---------|
| 1 | 321606477 | 27w. male connector | PBT-GF30 | grün |
| 1 | 321606485 | 27w. male connector | PBT-GF30 | grau |
| 1 | 321606493 | 27w. male connector | PBT-GF30 | schwarz |
| 2 | 321606535 | 41w. male connector | PBT-GF30 | schwarz |
| Typ | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Tab Housings

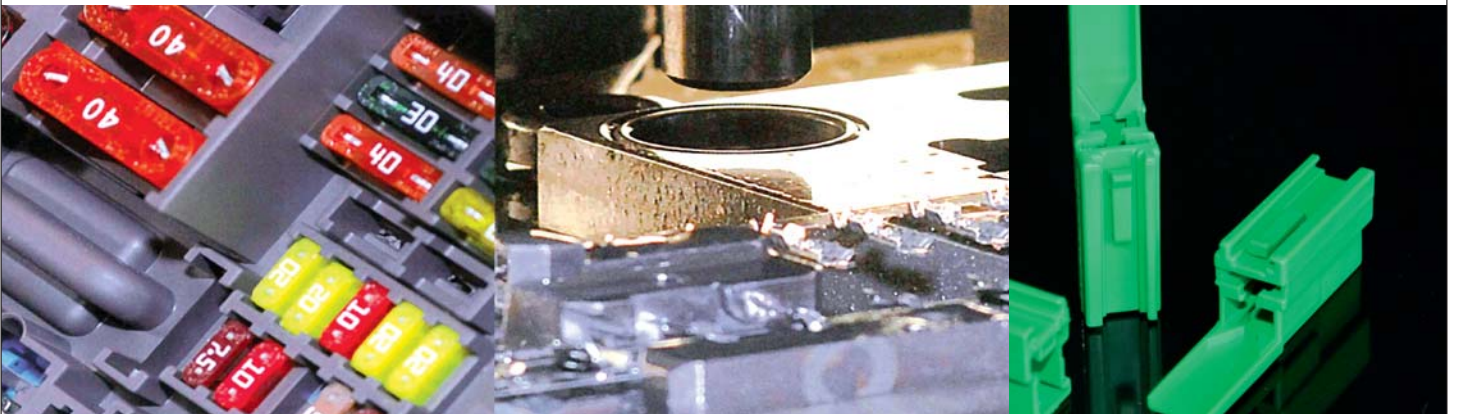
Gehäuse für Flachstecker



| Type | A | B | C | Part number | Material | Colour |
|------|------|------|------|-------------|------------|---------|
| 1 | 43.3 | 38.2 | 12.4 | 321615049 | PBTP+10%FV | schwarz |
| 1 | 43.3 | 38.2 | 12.4 | 321615056 | PBTP+10%FV | grau |
| Typ | A | B | C | Teile-Nr. | Werkstoff | Farbe |

Fuse and Relay Housings

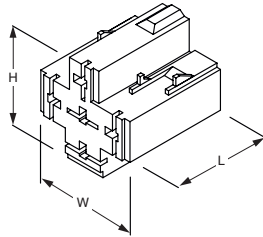
Gehäuse für Relais und Sicherungen



Fuse and Relay Housings

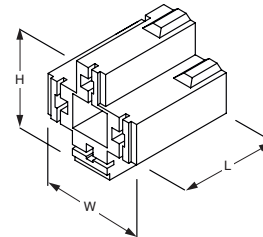
Gehäuse für Relais und Sicherungen

Type 1



5 way relay housing

Type 2



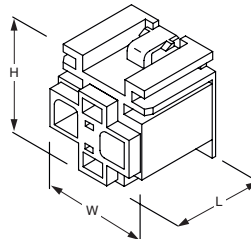
4 way relay housing

| Type | L | H | W | Part number | Material | Colour | Foot-note |
|------|------|------|------|-------------|-----------|---------|-----------|
| 1 | 25.0 | 26.2 | 24.2 | 318356029 | PBT | natur | *1 |
| 2 | 30.0 | 27.7 | 24.4 | 318356045 | PBT | schwarz | *1 |
| Typ | L | H | W | Teile-Nr. | Werkstoff | Farbe | Fuß-note |

*1 For 6.35 mm receptacles

*1 Für 6,35 mm Flachsteckhülsen

Type 1

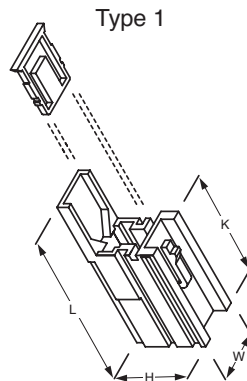


Support frame for relay housing

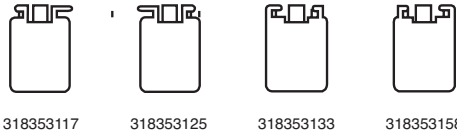
| Type | L | H | W | Part number | Material | Colour |
|------|------|------|------|-------------|-----------|---------|
| 1 | 35.0 | 33.0 | 32.0 | 318356060 | PBT | schwarz |
| Typ | L | H | W | Teile-Nr. | Werkstoff | Farbe |

Fuse and Relay Housings

Gehäuse für Relais und Sicherungen



1 way housing for 8 mm receptacle (with secondary locking)



| Type | H | L | W | K | Part number | Material | Colour | Foot-note |
|------|------|------|------|------|-------------|-----------|---------|-----------|
| 1 | 16.0 | 51.6 | 12.5 | 30.0 | 318353117 | PBT | natur | *1 |
| 1 | 16.0 | 51.6 | 12.5 | 30.0 | 318353125 | PBT | rot | *1 |
| 1 | 16.0 | 51.6 | 12.5 | 30.0 | 318353133 | PBT | schwarz | *1 |
| 1 | 16.0 | 51.6 | 12.5 | 30.0 | 318353141 | PBT | grün | *1 |
| 1 | 16.0 | 51.6 | 12.5 | 30.0 | 318353158 | PBT | braun | *1 |
| Typ | H | L | W | K | Teile-Nr. | Werkstoff | Farbe | Fuß-note |

*1 Lear terminals 320101207 and 320101215

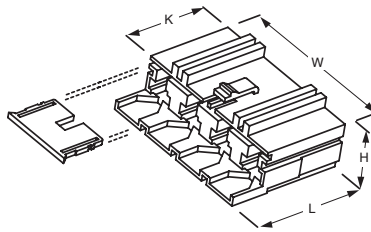
*1 Passende Lear Kontakte: 320101207 und 320101215

Spacer : 318353109
Schieber : 318353109

Fuse and Relay Housings

Gehäuse für Relais und Sicherungen

Type 1



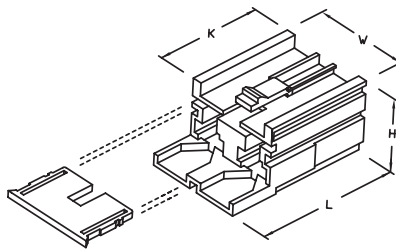
4 way housing for 8 mm receptacle (with secondary locking)

| Type | Pitch | L | H | W | K | Part number | Material | Colour |
|------|--------|------|------|------|----|-------------|-----------|--------|
| 1 | 14.0 | 42.6 | 19.8 | 53.9 | 29 | 321600108 | PBT | blau |
| Typ | Raster | L | H | W | K | Teile-Nr. | Werkstoff | Farbe |

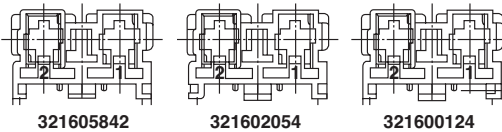
Mating Lear terminals: 320101207 and 320101215
 Passende Lear Kontakte: 320101207 und 320101215

Spacer: 321600132
 Schieber: 321600132

Type 1



2 way housing for 8 mm receptacle (with secondary locking)



| Type | Pitch | L | H | W | K | Part number | Material | Colour |
|------|--------|------|------|------|----|-------------|-----------|--------|
| 1 | 14.0 | 50.6 | 19.8 | 25.9 | 29 | 321600124 | PBT | orange |
| 1 | | 50.6 | 19.8 | 25.9 | 29 | 321602054 | PBT | blau |
| 1 | | 50.6 | 19.8 | 25.9 | 29 | 321605842 | PBT | braun |
| Typ | Raster | L | H | W | K | Teile-Nr. | Werkstoff | Farbe |

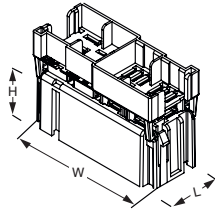
Mating Lear terminals: 320101207 and 320101215
 Passende Lear Kontakte: 320101207 und 320101215

Spacer: 321600132
 Schieber: 321600132

Fuse and Relay Housings

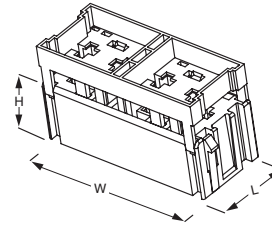
Gehäuse für Relais und Sicherungen

Type 1



20 way / 4 Micro relays housing

Type 2



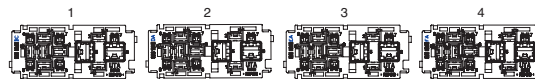
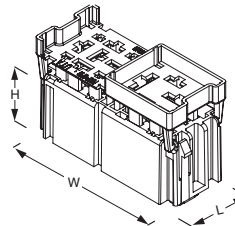
8 way / 2 relays housing

| Type | H | W | K | Part number | Material | Colour | Foot-note |
|------|------|------|------|-------------|-----------|--------|-----------|
| 1 | 32.2 | 73.9 | 29.0 | 514600170 | PBT | blau | *1 |
| 1 | 32.2 | 73.9 | 29.0 | 514600212 | PBT | natur | *1 |
| 1 | 32.2 | 73.9 | 29.0 | 518121108 | PBT | grau | *1 |
| 2 | 32.2 | 73.9 | 29.0 | 518634001 | PBT | rot | *2 |
| 2 | 32.2 | 73.9 | 29.0 | 518635008 | PBT | blau | *2 |
| Typ | H | W | K | Teile-Nr. | Werkstoff | Farbe | Fuß-note |

*1 Mating Lear terminals: 320100423, 320100431 and 320100472
 *1 Passende Lear Kontakte: 320100423, 32010431, und 320100472

*2 Mating Lear terminals 320100118, 320100142, 320100159, 320100134, 320101207 und 320101215
 *2 Passende Lear Kontakte: 320100118, 320100142, 320100134, 320101207, und 320101215

Type 1



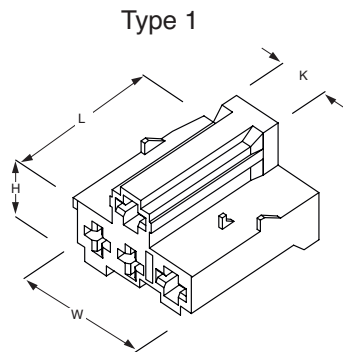
14 way / 2 relays housing

| Type | Keying | L | W | H | Part number | Colour |
|------|-----------|------|------|------|-------------|------------|
| 1 | 2 | 32.2 | 73.9 | 29.0 | 514600147 | natur |
| 1 | 3 | 32.2 | 73.9 | 29.0 | 514600154 | braun |
| 1 | 4 | 32.2 | 73.9 | 29.0 | 514600162 | grün |
| 1 | 1 | 32.2 | 73.9 | 29.0 | 518229000 | dunkelgrau |
| Typ | Kodierung | L | W | H | Teile-Nr. | Farbe |

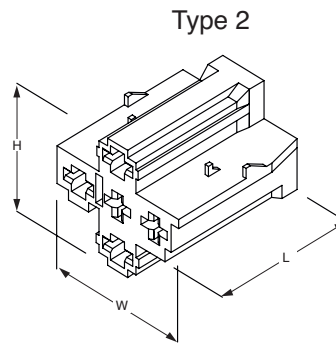
For 2.8; 6.35 and 9.5 mm Lear receptacles 320100530, 320100548, 320100555
 Für 2,8; 6,35 und 9,5 mm Lear Kontakte 320100530, 320100548, 320100555

Fuse and Relay Housings

Gehäuse für Relais und Sicherungen



4 way relay housing

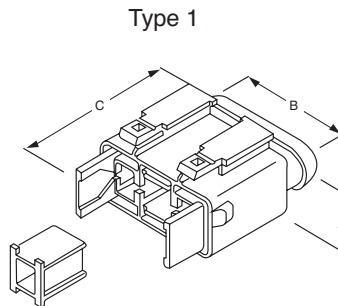


5 way relay housing

| Type | L | H | W | K | Part number | Material | Colour | Foot-note |
|------|------|------|----|------|-------------|-----------|---------|-----------|
| 1 | 28.3 | 10.2 | 23 | 10.5 | 318363058 | PA66 | schwarz | *1 |
| 2 | 28.3 | 25.2 | 23 | | 318363066 | PA66 | schwarz | *1 |
| Typ | L | H | W | K | Teile-Nr. | Werkstoff | Farbe | Fuß-note |

*1 For 6.35 mm receptacles

*1 Für 6,35 mm Flachsteckhülsen



Housing for 8 mm Receptacle
(with secondary locking)

| Type | A | B | C | Part number | Material | Colour |
|------|------|------|----|-------------|-----------|---------|
| 1 | 18.7 | 39.5 | 51 | 518023163 | PBT | schwarz |
| Typ | A | B | C | Teile-Nr. | Werkstoff | Farbe |

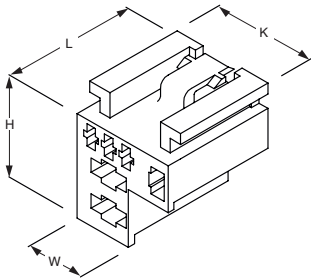
Mating Lear terminals: 320101207, 320101215
Spacer:318023025
Cover:318023033

Passende Lear Kontakte: 320101207, 320101215
Schieber:318023025
Steckverbinder:318023033

Fuse and Relay Housings

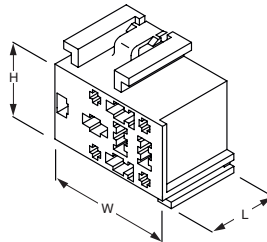
Gehäuse für Relais und Sicherungen

Type 1



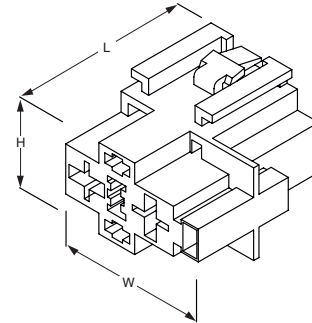
5 way relay housing

Type 2



9 way relay housing

Type 3



5 way relay housing

| Type | L | H | W | K | Part number | Material | Colour | Foot-note |
|------|-------|-------|-------|-------|-------------|-----------|---------|-----------|
| 1 | 26.00 | 17.70 | 23.40 | 12.80 | 318518065 | PBT | schwarz | *1 |
| 2 | 26.00 | 23.60 | 38.70 | | 318518073 | PBT | schwarz | *1 |
| 3 | 38.22 | 23.40 | 42.00 | | 318518081 | PBT | schwarz | *2 |
| Typ | L | H | W | K | Teile-Nr. | Werkstoff | Farbe | Fuß-note |

*1 For 2.8 and 6.35 mm receptacles

*1 Für 2,8 und 6,35 mm Flachsteckhülsen

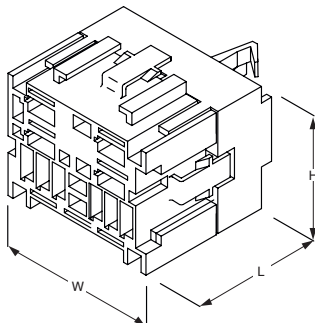
*2 For 6.35 and 8 mm receptacles

*2 Für 6,35 und 8 mm Flachsteckhülsen

Fuse and Relay Housings

Gehäuse für Relais und Sicherungen

Type 1



10 way / 2 micro relays housing

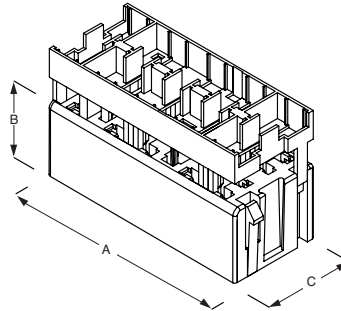
| Type | L | H | W | Part number | Material |
|------|------|-------|------|-------------|-----------|
| 1 | 37.0 | 31.85 | 40.0 | 321600959 | PBT |
| Typ | L | H | W | Teile-Nr. | Werkstoff |

Mating Lear terminals: 32020090, 320200108 and 320200116
 Passende Lear Kontakte: 320200090, 320200108 und 320200116

Fuse and Relay Housings

Gehäuse für Relais und Sicherungen

Type 1



20 way socket for 2.8 mm mini fuses
10 fuses housing

| Type | A | B | C | Part number | Specification | Material |
|------|------|------|------|-------------|----------------------|-----------|
| 1 | 76.9 | 32.0 | 32.2 | 514600204 | module 10 mini fuses | PBT |
| Typ | A | B | C | Teile-Nr. | Bezeichnung | Werkstoff |

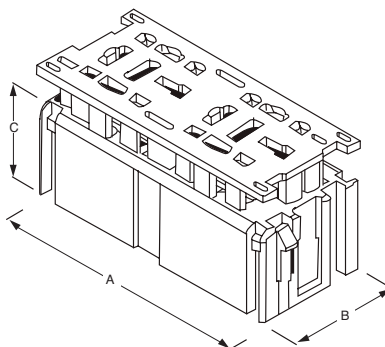
Also available with lateral latch
Mating Lear terminals : 320100340, 320100357, 320100373,
320100365, 320100381, 320100399, 320100415

Passende Lear Kontakte : 320100340, 320100357, 320100373,
320100365, 320100381, 320100399, 320100415

Fuse and Relay Housings

Gehäuse für Relais und Sicherungen

Type 1



18 way / 2 relays housing

| Type | A | B | C | Part number | Material | Colour |
|------|------|------|------|-------------|-----------|--------|
| 1 | 73.9 | 32.2 | 29.0 | 518630009 | PBT | grün |
| Typ | A | B | C | Teile-Nr. | Werkstoff | Farbe |

Also available with lateral latch

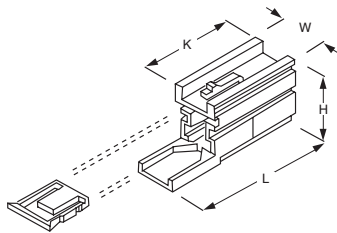
Mating Lear terminals : 320100118, 320100142, 320100159, 320100134, 320101124, 320101108, 320101116

Passende Lear Kontakte : 320100118, 320100142, 320100159, 320100134, 320101124, 320101108, 320101116

Fuse and Relay Housings

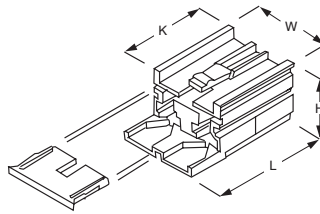
Gehäuse für Relais und Sicherungen

Type 1



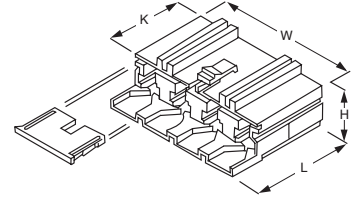
1 way housing for 8 mm receptacles
(with secondary locking)

Type 2

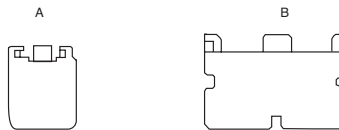


2 way housing for 8 mm receptacles
(with secondary locking)

Type 3



4 way housing for 8 mm receptacles
(with secondary locking)



| Type | Pitch | Keying | L | H | W | K | Part number | Spacer | Specification | Material | Colour |
|------|--------|-----------|------|------|------|------|-------------|-----------|-----------------------|-----------|---------|
| 1 | | A | 42.0 | 21.3 | 11.9 | 30.2 | 518558002 | | maxifuse holder 1 way | PBT | gelb |
| 1 | | | 42.0 | 21.3 | 11.9 | 30.2 | 518559000 | | maxifuse holder 1 way | PBT | grün |
| 2 | 14 | B | 42.0 | 21.3 | 25.9 | 30.2 | 518560008 | 321600926 | maxifuse holder 2 way | PBT | blau |
| 3 | 14 | | 42.0 | 21.3 | 53.9 | 30.2 | 518563002 | 321600926 | maxifuse holder 2 way | PBT | schwarz |
| Typ | Raster | Kodierung | L | H | W | K | Teile-Nr. | Schieber | Bezeichnung | Werkstoff | Farbe |

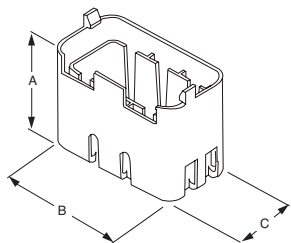
Lear terminals 320101207 and 320101215

Passende Lear Kontakte 320101207 und 320101215

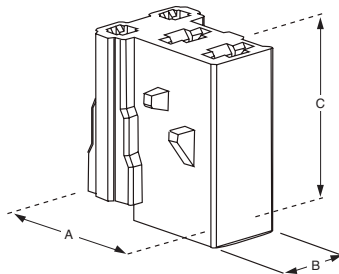
Fuse and Relay Housings

Gehäuse für Relais und Sicherungen

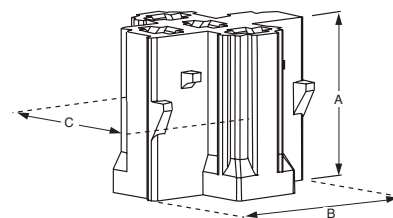
Type 1



Type 2



Type 3



| Type | A | B | C | Part number | Material | Foot-note |
|------|------|------|------|-------------|-----------|-----------|
| 1 | 36.0 | 43.0 | 24.9 | 318023033 | PBT | |
| 2 | 22.0 | 10.2 | 23.0 | 318363033 | PA6.6 | *1 |
| 3 | 23.0 | 28.3 | 25.2 | 318363124 | PA6.6 | |
| Typ | A | B | C | Teile-Nr. | Werkstoff | Fuß-note |

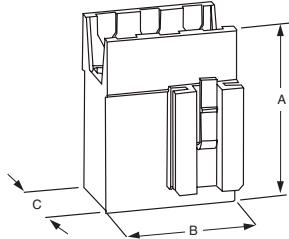
*1 4 way for 2.8 and 6.35 mm receptacle

*1 4-polig für 2,8 und 6,35 mm Flachsteckhülsen

Fuse and Relay Housings

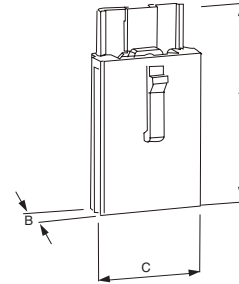
Gehäuse für Relais und Sicherungen

Type 1



3 way housing for 6.35 mm receptacles

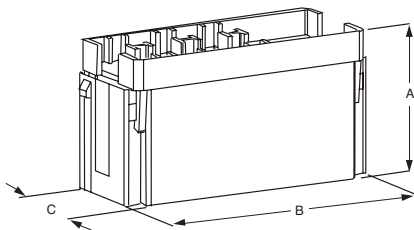
Type 2



2 way housing for 2.8 mm receptacles

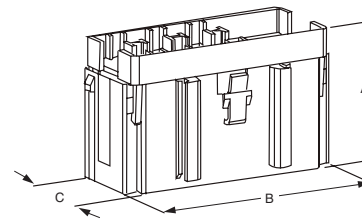
| Type | A | B | C | Part number | Material |
|------|------|------|------|-------------|-----------|
| 1 | 42.0 | 33.0 | 19.0 | 318548054 | PA6.6 |
| 2 | 38.7 | 7.5 | 21.9 | 321601098 | PBT |
| Typ | A | B | C | Teile-Nr. | Werkstoff |

Type 1



16 way / 6 fuses and 1 relay

Type 2



| Type | A | B | C | Part number | Material |
|------|------|------|------|-------------|-----------|
| 1 | 47.5 | 76.9 | 32.2 | 514600220 | PBT GF 10 |
| 2 | 47.5 | 76.9 | 32.2 | 514606045 | PBT |
| Typ | A | B | C | Teile-Nr. | Werkstoff |

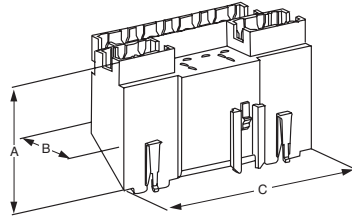
Mating Lear terminals: 320100340, 320100357, 320100365, 320100373, 320100381, 320100399, 320100415, 320100530, 320100548, 320100555, 320101207, 320101215

Passende Lear Kontakte: 320100340, 320100357, 320100365, 320100373, 320100381, 320100399, 320100415, 320100530, 320100548, 320100555, 320101207, 320101215

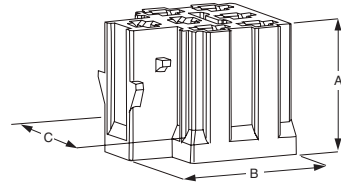
Fuse and Relay Housings

Gehäuse für Relais und Sicherungen

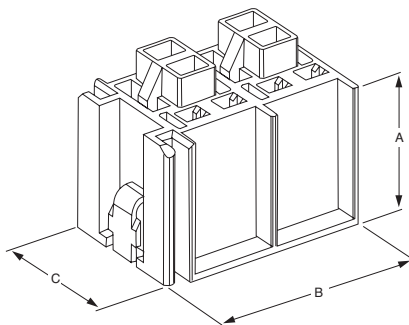
Type 1



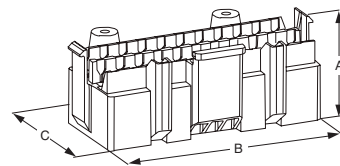
Type 2



Type 3



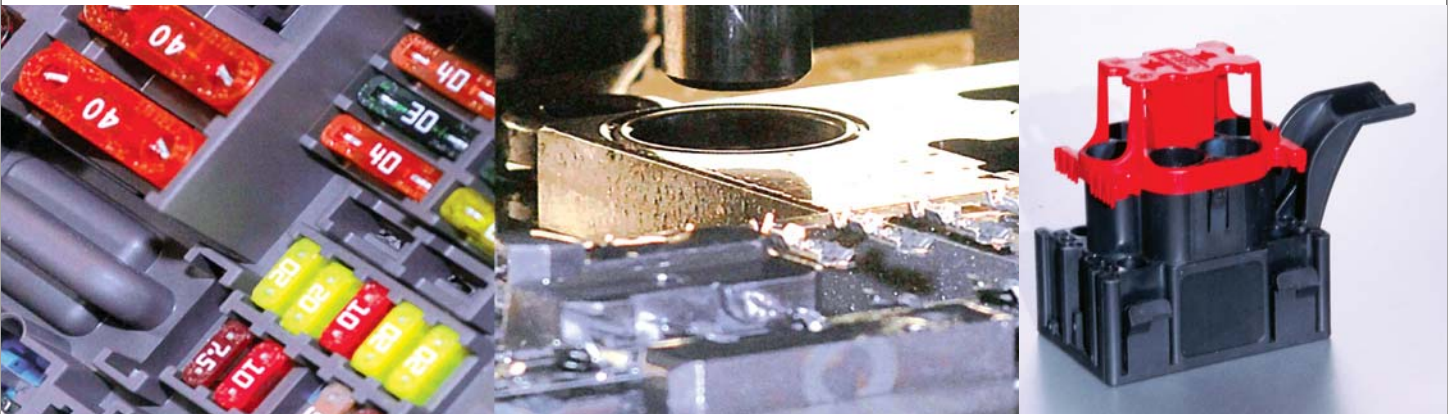
Type 4



| Type | A | B | C | Part number | Material |
|------|------|-------|-------|-------------|-----------|
| 1 | 64.3 | 48.1 | 109.8 | 318581006 | |
| 2 | 23.0 | 25.2 | 26.3 | 318581022 | PA6.6 |
| 3 | 30.0 | 44.9 | 32.0 | 318581030 | PBT |
| 4 | 49.5 | 135.0 | 86.0 | 318581121 | PA6.6 |
| Typ | A | B | C | Teile-Nr. | Werkstoff |

Sealed Connectors

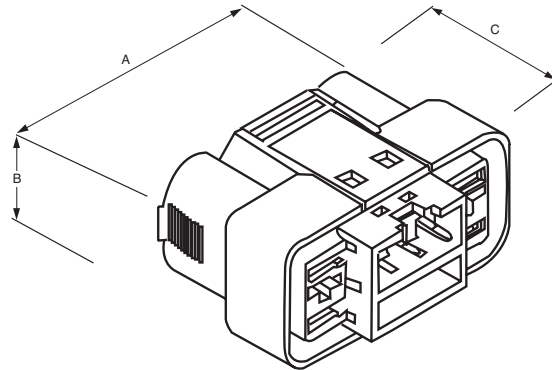
Gedichtete Steckverbinder



Sealed Connectors

Gedichtete Steckverbinder

Type 1



POLARIZATIONS



321603045

321603052

321603060

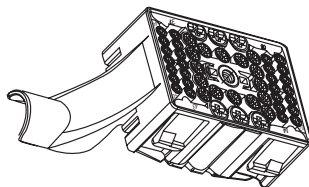
321603078

| Type | A | B | C | Part number | Specification | Material | Colour |
|------|------|------|------|-------------|-------------------------|-------------|---------|
| 1 | 48.4 | 23.9 | 28.7 | 321603045 | 10 way female connector | PBT - GF 10 | grün |
| 1 | 48.4 | 23.9 | 28.7 | 321603052 | 10 way female connector | PBT - GF 10 | natur |
| 1 | 48.4 | 23.9 | 28.7 | 321603060 | 10 way female connector | PBT - GF 10 | schwarz |
| 1 | 48.4 | 23.9 | 28.7 | 321603078 | 10 way female connector | PBT - GF 10 | blau |
| Typ | A | B | C | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

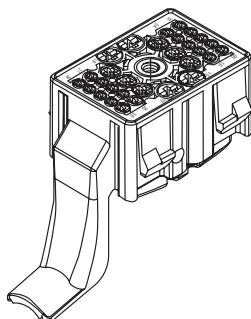
Sealed Connectors

Gedichtete Steckverbinder

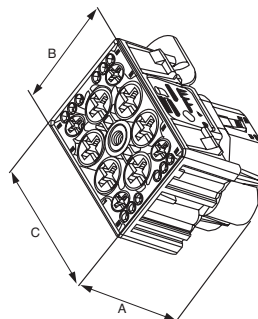
Type 1



Type 2



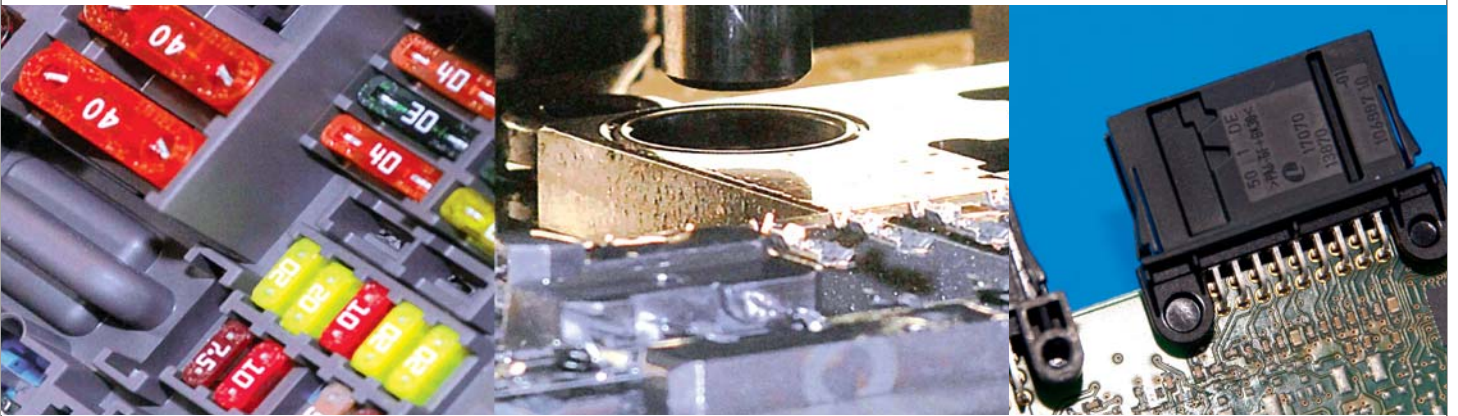
Type 3



| Type | A | B | C | Part number | Specification | Material | Colour |
|------|------|------|----|-------------|--|-----------|---------|
| 1 | | | | 514609114 | 5 0- poliges gedichtetes Hybrid Gehäuse Gehäuse Insert M6X23.5 | PA | schwarz |
| 2 | | | | 514609122 | 30 - poliges gedichtetes Hybrid Gehäuse Gehäuse Insert M6X23.5 | PA | schwarz |
| 3 | 56.3 | 44.5 | 66 | 514609130 | 22 - poliges gedichtetes Hybrid Gehäuse Gehäuse Insert M6X23.5 | PA | schwarz |
| Typ | A | B | C | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

Header Connectors

Stiftleisten



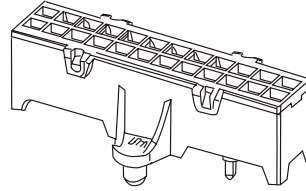
Header Connectors

Stiftleisten

PCB female header

PCB Federleisten

Type 1



| Type | No. of ways | Part number | Specification | Material | Colour | Foot-note |
|------|-------------|-------------|---------------------|-----------|---------|-----------|
| 1 | 18 | 514609007 | Federleiste für PCB | PA6.6 | schwarz | |
| 1 | 21 | 514609015 | Federleiste für PCB | PA6.6 | schwarz | *1 |
| 1 | 19 | 514609221 | Federleiste für PCB | PA6.6 | schwarz | |
| 1 | 23 | 514609239 | Federleiste für PCB | PA6.6 | natur | *1 |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung | Werkstoff | Farbe | Fuß-note |

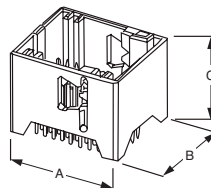
*1 Mating Lear terminals: 318901014

*1 Passende Lear Kontakte: 318901014

PCB male header

PCB Stiftleisten

Type 1



40 way male connector 0.63 x 0.63

| Type | A | B | C | Part number | Specification | Material | Colour |
|------|------|------|------|-------------|------------------|-----------|---------|
| 1 | 32.0 | 26.1 | 22.8 | 514600311 | PCB Stiftleisten | PA6.6 | grau |
| 1 | 32.0 | 26.1 | 22.8 | 514600329 | PCB Stiftleisten | PA6.6 | schwarz |
| 1 | 32.0 | 26.1 | 22.8 | 514600345 | PCB Stiftleisten | PA6.6 | weiß |
| Typ | A | B | C | Teile-Nr. | Bezeichnung | Werkstoff | Farbe |

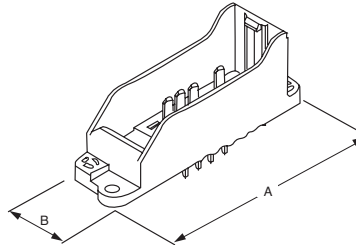
Header Connectors

Stifflisten

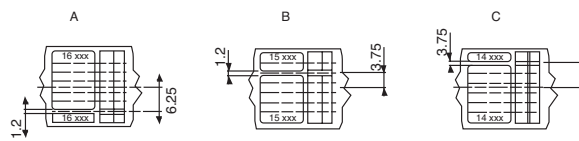
PCB female header

PCB Federleisten

Type 1

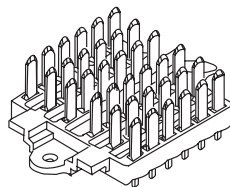


Flachsteckerwanne 2,8 x 0,8 mm



| Type | Keying | No. of ways | A | B | Part number | Material | Surface | Colour |
|------|-----------|-------------|------|------|---------------|-------------|------------|---------|
| 1 | A | 18 | 75.7 | 20.2 | 18851.000.000 | PA 6.6 + PE | Sn | schwarz |
| 1 | B | 18 | 75.7 | 20.2 | 18852.000.000 | PA 6.6 + PE | Sn | schwarz |
| 1 | C | 18 | 75.7 | 20.2 | 18853.000.000 | PA 6.6 + PE | Sn | schwarz |
| Typ | Kodierung | Pol-zahl | A | B | Teile-Nr. | Werkstoff | Oberfläche | Farbe |

Type 1



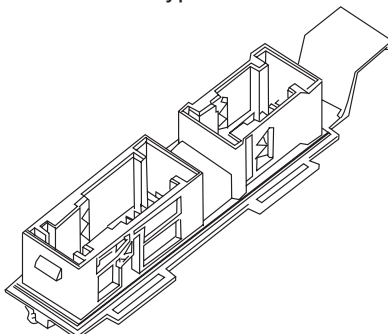
Grundplatte 2,8 x 0,8 mm

| Type | Part number | Material | Colour |
|------|---------------|-------------|---------|
| 1 | 18382.000.000 | PA 6.6 + PE | schwarz |
| Typ | Teile-Nr. | Werkstoff | Farbe |

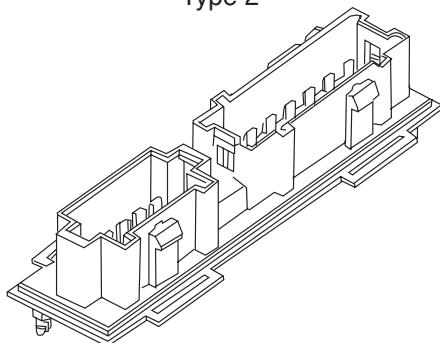
Header Connectors

Stiftleisten

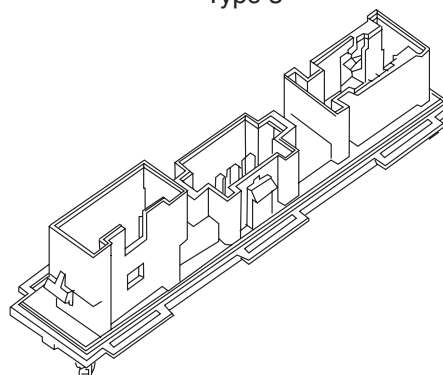
Type 1



Type 2



Type 3



| Type | No. of ways | Part number | Specification |
|------|-------------|---------------|------------------|
| 1 | 46 | 18812.000.000 | Stiftleiste |
| 2 | 24 | 18813.000.000 | FS 2,8 - Gehäuse |
| 3 | 20 | 18814.000.000 | Steckerleiste |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung |

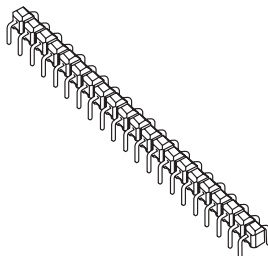
Header Connectors

Stiftleisten

Pin base

Stiftsockel

Type 1

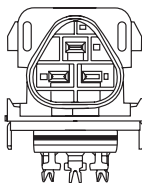


| Type | No. of ways | Part number | Specification |
|------|-------------|---------------|----------------------|
| 1 | 21 | 18435.000.000 | Stiftsockel 21-polig |
| 1 | 12 | 18469.000.000 | Stiftsockel 12-polig |
| 1 | 15 | 18471.000.000 | Stiftsockel 12-polig |
| Typ | Pol-zahl | Teile-Nr. | Bezeichnung |

Pin shell

Steckerwanne

Type 1



| Type | Keying | Part number | Specification |
|------|-----------|---------------|----------------------------|
| 1 | A | 18383.000.000 | Steckerwanne Stabzündspule |
| Typ | Kodierung | Teile-Nr. | Bezeichnung |

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| 00537.111.025 | | 358 |
| 02086.111.025 | 320151F9P | 358 |
| 02087.111.025 | 320151F9Z | 358 |
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Regarding technical data and dimensions only Lear customer drawings and specifications are binding. Contact us for the latest design specifications and customer drawings.

Lear Corporation reserves the right to change the construction in order to increase quality and performance of this equipment.

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Some of the applications have been tailored to the needs of our customers and are therefore not freely available.

10/01/2008

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