

DFFC 0.5-1.0 SN 3000**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

For a reliable contact - CB/CS crimp contact.

The combination of RSV housings and Weidmüller's crimp contacts enable custom adaptations to the specific requirements of your applications.

The following product options are available depending on the system:

- Safe centring of the contacts using the three-segment pin tips
- High contact reliability using four defined contact points
- Locking clasp in the cantilever spring for a secure mount of the contacts in the housing
- Pin contacts with two lengths to implement leading-pin contacts
- Up to 100 plugging cycles (tin version)
- Up to 500 plugging cycles (gold version)

The appropriate high-quality tools from Weidmüller guarantee professional processing.

General ordering data

| | |
|--------------|--|
| Version | PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping range : 1 mm ² |
| Order No. | 1480000000 |
| Type | DFFC 0.5-1.0 SN 3000 |
| GTIN (EAN) | 4008190179175 |
| Qty. | 3,000 pc(s). |
| Product data | |
| Packaging | Reel |

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Technical data**Dimensions and weights**

| | | | |
|------------|---------|-----------------|------------|
| Depth | 18.8 mm | Depth (inches) | 0.74 inch |
| Height | 5.7 mm | Height (inches) | 0.224 inch |
| Width | 4.3 mm | Width (inches) | 0.169 inch |
| Net weight | 0.578 g | | |

Material data

| | | | |
|---------------------------------------|----------|---------------------------------------|----------|
| Colour | No | Colour chart (similar) | - |
| Contact base material | Cu-alloy | Contact material | Cu-alloy |
| Contact surface | tinned | Storage temperature, min. | -40 °C |
| Storage temperature, max. | 70 °C | Operating temperature, min. | -50 °C |
| Operating temperature, max. | 100 °C | Temperature range, installation, min. | -25 °C |
| Temperature range, installation, max. | 100 °C | | |

Conductors suitable for connection

| | | | |
|---|---------------------|---|-------------------|
| Clamping range, min. | 0.5 mm ² | Clamping range, max. | 1 mm ² |
| Wire connection cross section AWG, min. | AWG 20 | Wire connection cross section AWG, max. | AWG 18 |
| Solid, min. H05(07) V-U | 0.5 mm ² | Solid, max. H05(07) V-U | 1 mm ² |
| Stranded, min. H07V-R | 0.5 mm ² | Stranded, max. H07V-R | 1 mm ² |
| Flexible, min. H05(07) V-K | 0.5 mm ² | Flexible, max. H05(07) V-K | 1 mm ² |
| w. wire end ferrule, DIN 46228 pt 1, min. | 0 mm ² | w. wire end ferrule, DIN 46228 pt 1, max. | 0 mm ² |

Rated data acc. to IEC

| | | | |
|---|------------------------|---|------|
| tested acc. to standard | IEC 60664-1, IEC 61984 | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 0 kV |
| Short-time withstand current resistance | 3 x 1s with 120 A | | |

Packing

| | | | |
|-----------|--------|------------|--------|
| Packaging | Reel | VPE length | 599 mm |
| VPE width | 598 mm | VPE height | 42 mm |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002943 | ETIM 7.0 | EC002943 |
| ETIM 8.0 | EC002943 | ETIM 9.0 | EC002943 |
| ECLASS 9.0 | 27-44-04-92 | ECLASS 9.1 | 27-44-04-92 |
| ECLASS 10.0 | 27-44-04-92 | ECLASS 11.0 | 27-46-04-03 |
| ECLASS 12.0 | 27-46-04-03 | ECLASS 13.0 | 27-46-04-03 |

Important note

| | |
|----------------|--|
| IPC conformity | Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request. |
| Notes | <ul style="list-style-type: none"> Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months |

Approvals

| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Creation date May 8, 2024 7:13:21 PM CEST

Catalogue status 04.05.2024 / We reserve the right to make technical changes.

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D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Declaration of the Manufacturer |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL DRIVES EN MB DEVICE MANUF. EN FL DRIVES DE FL BUILDING SAFETY EN FL APPL LED LIGHTING EN FLIndustr.CONTROLS EN FL MACHINE SAFETY EN FL HEATING ELECTRON EN FL APPL INVERTER EN FL BASE STATION EN FL ELEVATOR EN FL POWER SUPPLY EN FL 72H SAMPLE SER EN PO OMNIMATE EN PO OMNIMATE EN |

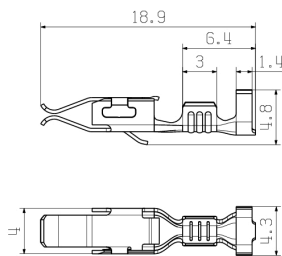
DFFC 0.5-1.0 SN 3000

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Drawings

Dimensional drawing



Product image



Similar to illustration

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Accessories

Auxiliary tools

**More intelligent. More efficient. Quicker.**

Auxiliary tools simplify the process of connecting and configuring the connection components:

- Assembly blocks for socket connectors with IDC contacts (type BL-IDC) can be used in machines such as toggle lever presses. All conductors are connected at the same time.
- Unlocking and dismantling tools release the crimp contacts in crimped plug-in connectors (type BLC & BLAC)
- Operating levers open individual clamping points on plug-in tension clamp connectors

For better, more rapid working progress

The result: efficient, professional working progress.

General ordering data

| Type | DFFC EW2 | Version | Product data | Packaging |
|------------|----------------------------|-----------------------|--------------|-----------|
| Order No. | 1803790000 | PCB plug-in connector | | Box |
| GTIN (EAN) | 4032248259311 | | | |
| Qty. | 10 pc(s). | | | |

... for Weidmüller DFF and ZRV contacts

**Crimping tools for for turned/stamped contact**

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- With stop for exact positioning of the contacts.

General ordering data

| Type | HTF DFF | Version |
|------------|----------------------------|---|
| Order No. | 9014140000 | Pressing tool, Crimping tool for contacts, 0.22mm², 2.5mm², B-Crimp |
| GTIN (EAN) | 4008190297305 | |
| Qty. | 1 pc(s). | |

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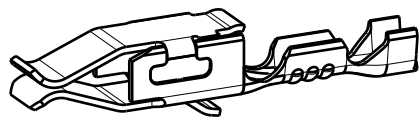
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Dimensions without tolerances are no check dimensions

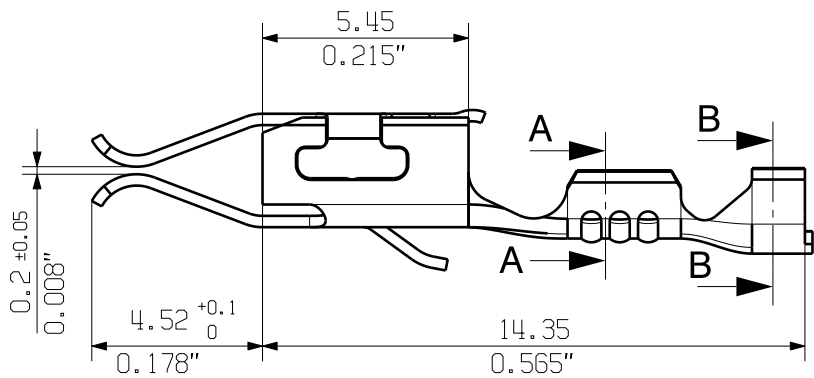
The English version is binding

allgemeingültige Kundenzeichnung, aktueller Stand nur auf Anfrage
general customer drawing, topical version only if required

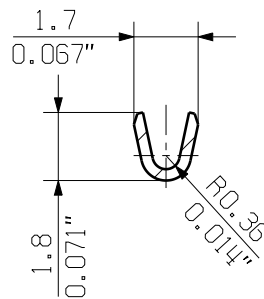
M 5/1



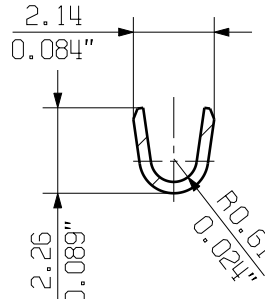
DFFC 0.22-0.35mm²



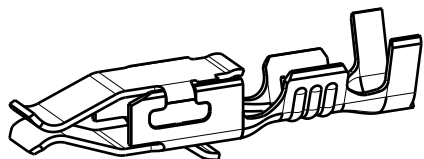
A-A



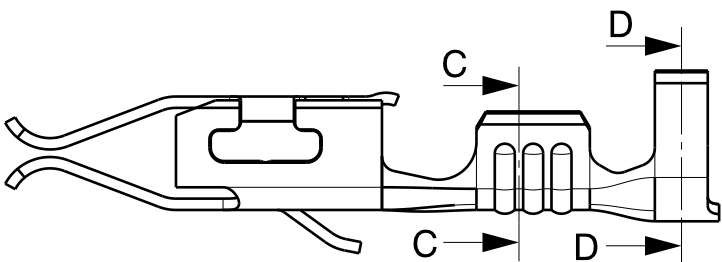
B-B



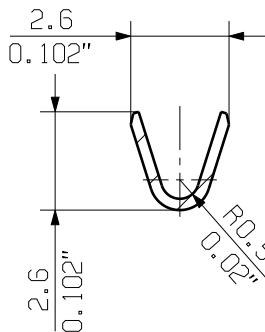
M 5/1



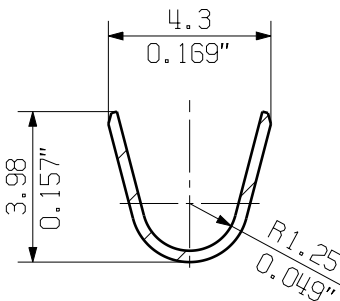
DFFC 0.5-1.0mm²



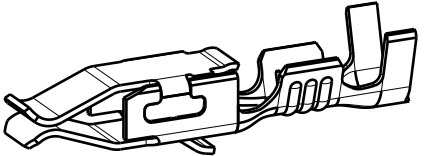
C-C



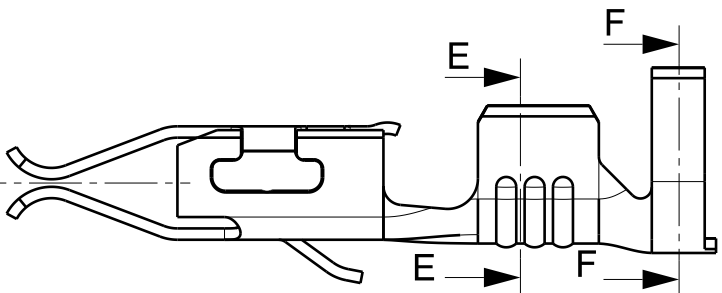
D-D



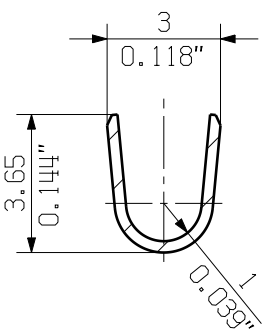
M 5/1



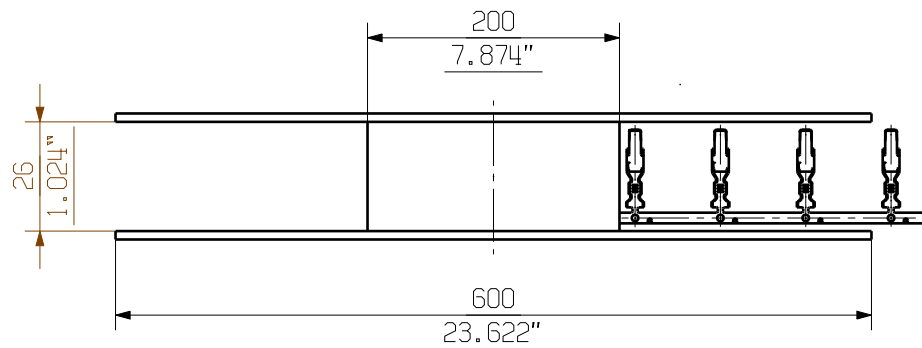
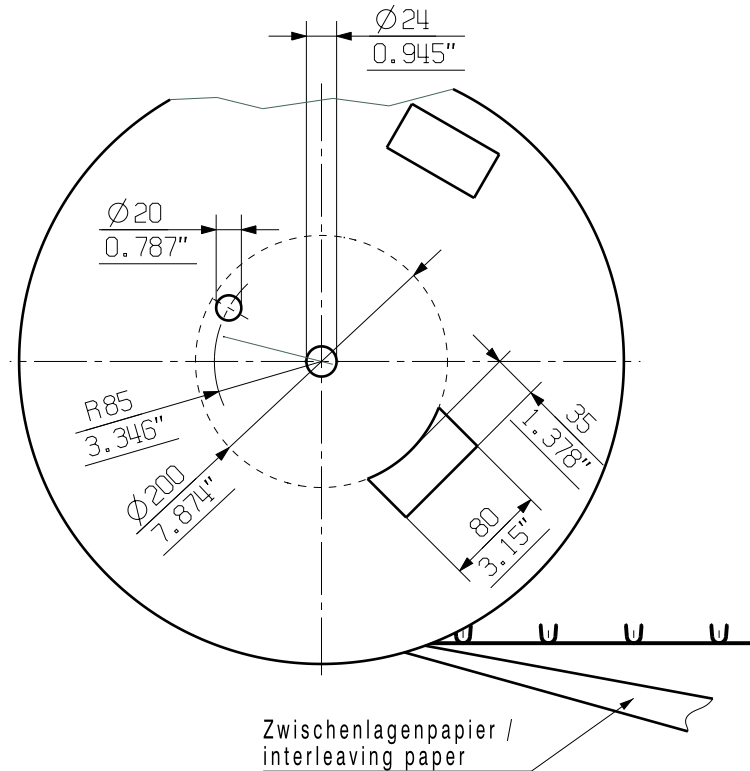
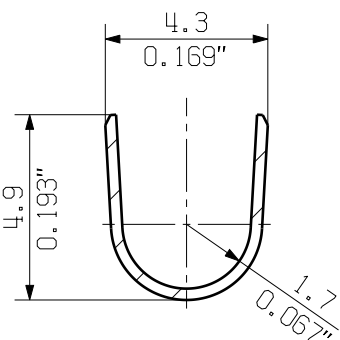
DFFC 1.50-2.50mm²



E-E






F-F



For the mounting of PCBs, it should be noted that the rated data given in the catalogue relates only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity and pitch tolerance is to be determined according to DIN IEC 326 part 3 very fine.

Weidmüller connectors are tested to the DIN VDE 0627 standard, and are valid for its field of application. Provided that the connectors are used to the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| | | | |
|----------------------------------|------------------------------|---|----------------------------|
| 1604260000 | 1604240000 | 0.22mm²-0.35mm² | Au0.8, Ni1-2 u. Sn4±1 |
| 1604250000 | 1604230000 | | Sn 4-8 |
| 1625530000 | 1625520000 | 0.50mm²-1.00mm² | Ag4±1 u. Sn4±1 |
| 1567080000 | 1540100000 | | Au0.8, Ni1-2 u. Sn4±1 |
| 1567060000 | 1480000000 | | Sn 4-8 |
| 1625510000 | 1625500000 | 1.50mm²-2.50mm² | Ag4±1 u. Sn4±1 |
| 1567090000 | 1540200000 | | Au0.8, Ni1-2 u. Sn4±1 |
| 1567070000 | 1480100000 | | Sn 4-8 |
| Einzelkontakt/ separate cont. | Bandware / cont. on strip | Leiterquerschnitt / conductor cross-section | Oberfläche finish&surf. |
| Bestell-Nr. / cat.no. | | | |

| | | | | | |
|---|--|---------------------------------|--|---|--|
| GENERAL TOLERANCE: DIN ISO 2768-m | | 88771/5 23.06.16 HELIS_MA 00 | | Cat.no.: . | |
|  | | Modification | | Weidmüller  | |
|  | | Date | | Drawing no. 3 32368 Issue no. 11 | |
| | | Name | | Sheet 05 of 05 sheets | |
| | | Drawn 30.03.2007 HERTEL_S | | DFFC CRIMPKONTAKT CRIMP CONTACT | |
| Responsible | | HERTEL_S | | | |
| Scale: 10/1 | | Checked 26.07.2016 HELIS_MA | | Product file: DFFC 7169 | |
| Supersedes: . | | Approved | | | |
| | | LANG_T | | | |