

CS1,6R18-16 SN I2,5**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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, Reel packaged, Pin – standard, tinned, Max. clamping range : 1.5 mm ² |
| Order No. | 1427500000 |
| Type | CS1,6R18-16 SN I2,5 |
| GTIN (EAN) | 4008190014551 |
| Qty. | 5,000 pc(s). |
| Product data | |
| Packaging | Reel |

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Technical data

Dimensions and weights

| | |
|------------|---------|
| Net weight | 0.798 g |
|------------|---------|

System Parameters

| | | | |
|------------------------|------------------|----------------------------|------|
| Wire connection method | Crimp connection | Conductor outlet direction | 180° |
| Number of poles | 1 | Pin series quantity | 1 |
| Volume resistance | 3.30 mΩ | Stripping length | 4 mm |

Material data

| | | | |
|---------------------------------------|----------|---------------------------------------|--------|
| 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. | 0.75 mm ² | Clamping range, max. | 1.5 mm ² |
| Wire connection cross section AWG, min. | AWG 18 | Wire connection cross section AWG, max. | AWG 16 |
| Stranded, min. H07V-R | 0.75 mm ² | Stranded, max. H07V-R | 1.5 mm ² |
| Flexible, min. H05(07) V-K | 0.75 mm ² | Flexible, max. H05(07) V-K | 1.5 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 |
| Outer diameter of insulation, min. | 2 mm | Outer diameter of insulation, max. | 2.5 mm |

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 |
|-------------------------|------------------------|---|------|

Packing

| | | | |
|-----------|--------|------------|--------|
| Packaging | Reel | VPE length | 641 mm |
| VPE width | 625 mm | VPE height | 61 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 |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| REACH SVHC | / |
| RoHS Compliance Status | Compliant without exemption |

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www.weidmueller.com**Technical data****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">• The long pins can be used with the standard pins as leading contacts.• Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months |

Approvals

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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Declaration of the Manufacturer |
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |
| Brochures | MB DEVICE MANUF. EN FL 72H SAMPLE SER EN PO OMNIMATE EN PO OMNIMATE EN |

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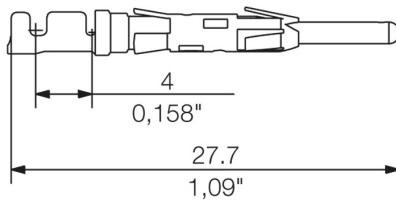
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Drawings



Dimensional drawing



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www.weidmueller.com**Accessories****Contact removal tools**

Weidmüller offers a variety of crimping tools, contact removal tools, and fibre optic tools.

General ordering data

| | | |
|------------|----------------------------|----------------------------------|
| Type | DW RSV 1.6 | Version |
| Order No. | 9004530000 | Tool miscellaneous, Release tool |
| GTIN (EAN) | 4008190041991 | |
| Qty. | 1 pc(s). | |