# OMNIMATE Power - Powerbus series
# CS1,6R18-16 SN I3,5

**Weidmüller Interface GmbH & Co. KG**
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Similar to illustration

**For a reliable contact - CB/CS crimp contact.**

The combination of RSV housings and Weidmüllers' 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

| | |
|---|---|
| Type | CS1,6R18-16 SN I3,5 |
| Order No. | 1582280000 |
| Version | PCB plug-in connector, Crimp contact, Reel packaged, Pin – standard, tinned, Max. clamping range : 1.5 mm² |
| GTIN (EAN) | 4008190029401 |
| Qty. | 4,000 pc(s). |
| Product data | |
| Packaging | Reel |

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## Technical data

### Dimensions and weights

| | |
|---|---|
| Net weight | 1.03 g |

### system parameters

| | | | |
|---|---|---|---|
| Product family | OMNIMATE Power - Powerbus series | Wire connection method | Crimp connection |
| No. of poles | 1 | Volume resistance | 3.30 mΩ |
| Stripping length | 4 mm | | |

### Material data

| | | | |
|---|---|---|---|
| Contact material | CuZn | Contact surface | tinned |
| Storage temperature, min. | -25 °C | Storage temperature, max. | 55 °C |
| Max. relative humidity during storage | 80 % | 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 mm² | Clamping range, max. | 1.5 mm² |
| Wire connection cross section AWG, min. | AWG 18 | Wire connection cross section AWG, max. | AWG 16 |
| Outer diameter of insulation, min. | 2 mm | Outer diameter of insulation, max. | 3.5 mm |
| Max. clamping range | 1.5 mm² | | |

### Rated data acc. to IEC

| | |
|---|---|
| tested acc. to standard | IEC 60664-1, IEC 61984 |

### Packing

| | | | |
|---|---|---|---|
| Packaging | Reel | VPE length | 640 mm |
| VPE width | 640 mm | VPE height | 55 mm |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 3.0 | EC001284 | ETIM 4.0 | EC000796 |
| ETIM 5.0 | EC000796 | ETIM 6.0 | EC000796 |
| UNSPSC | 30-21-19-23 | eClass 5.1 | 27-26-12-02 |
| eClass 6.2 | 27-26-12-02 | eClass 7.1 | 27-44-02-04 |
| eClass 8.1 | 27-44-02-04 | eClass 9.0 | 27-44-02-04 |
| eClass 9.1 | 27-44-02-04 | | |

### Notes

| | |
|---|---|
| Notes | • The long pins can be used with the standard pins as leading contacts. |
| 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. |

### Approvals

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

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### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Declaration of the Manufacturer |
| Brochure/Catalogue | MB DEVICE MANUF. EN<br>CAT 2 PORTFOLIOGUIDE EN<br>FL 72H SAMPLE SER EN<br>PO OMNIMATE EN |

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## Drawings

### Dimensional drawing




