Data sheet

OMNIMATE Power - Powerbus series
CS1,6R18-16 SN I2,5

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



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 I2,5
Order No.	1427500000
Version	PCB plug-in connector, Crimp contact, Reel packaged, Pin – standard, tinned, Max. clamping range : 1.5 mm²
GTIN (EAN)	4008190014551
Qty.	5,000 pc(s).
Product data	
Packaging	Reel

OMNIMATE Power - Powerbus series
CS1,6R18-16 SN I2,5

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Dimensions and weights

Net weight	0.8 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.	2.5 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	60 mm
VPE width	580 mm	VPE height	600 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

OMNIMATE Power - Powerbus series
CS1,6R18-16 SN I2,5

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Downloads

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

OMNIMATE Power - Powerbus series
CS1,6R18-16 SN I2,5

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

Dimensional drawing



