

OMNIMATE Power - Powerbus series CB1,6E18-16 AU,75 I3,5

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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

Type	CB1,6E18-16 AU,75 I3,5
Order No.	1582410000
Version	PCB plug-in connector, Crimp contact, Individual contact, Socket connector, Gold-plated, Max. clamping range : 1.5 mm ²
GTIN (EAN)	4008190176228
Qty.	250 pc(s).
Product data	
Packaging	Box

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Technical data**Dimensions and weights**

Net weight	0.46 g
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System Parameters

Product family	OMNIMATE Power - Powerbus series	Wire connection method	Crimp connection
Number of poles	1	Volume resistance	4.80 mΩ
Stripping length	4 mm		

Material data

Contact material	CuZn	Contact surface	Gold-plated
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
Outer diameter of insulation, min.	2 mm	Outer diameter of insulation, max.	3.5 mm
Max. clamping range	1.5 mm ²		

Rated data acc. to IEC

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

Packaging	Box	VPE length	42 mm
VPE width	70 mm	VPE height	90 mm

Classifications

ETIM 6.0	EC002943	ETIM 7.0	EC002943
eClass 9.0	27-44-04-92	eClass 9.1	27-44-04-92
eClass 10.0	27-44-04-92	UNSPSC	30-21-19-23

Notes

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 average humidity 70%, 36 months
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

Approvals



ROHS	Conform
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Data sheet**OMNIMATE Power - Powerbus series
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Technical data**Downloads**

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

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Drawings**Dimensional drawing**