

## OMNIMATE Power - Powerbus series CB1,6E22-20 SN I1,8

**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 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	CB1,6E22-20 SN I1,8
Order No.	<a href="#">1423900000</a>
Version	PCB plug-in connector, Crimp contact, Individual contact, Socket connector, tinned, Max. clamping range : 0.5 mm <sup>2</sup>
GTIN (EAN)	4008190008659
Qty.	250 pc(s).
Product data	
Packaging	Box

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**Technical data****Dimensions and weights**

Net weight	0.36 g
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**System Parameters**

Product family	OMNIMATE Power - Powerbus series	Wire connection method	Crimp connection
Number 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.	50 °C
Max. relative humidity during storage	70 %	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.	0.34 mm <sup>2</sup>	Clamping range, max.	0.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section AWG, max.	AWG 20
Outer diameter of insulation, min.	1.1 mm	Outer diameter of insulation, max.	1.8 mm
Max. clamping range	0.5 mm <sup>2</sup>		

**Rated data acc. to IEC**

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

Packaging	Box	VPE length	40 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"> <li>The long pins can be used with the standard pins as leading contacts.</li> </ul>
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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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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

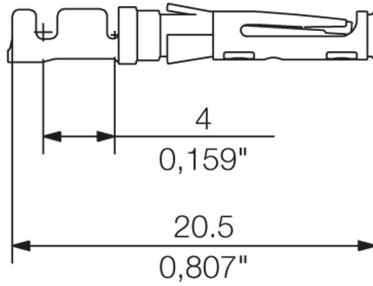
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Approval/Certificate/Document of Conformity	<a href="#">Declaration of the Manufacturer</a>
Brochure/Catalogue	<a href="#">MB DEVICE MANUF. EN</a> <a href="#">CAT 2 PORTEFOLIOGUIDE EN</a> <a href="#">FL 72H SAMPLE SER EN</a> <a href="#">PO OMNIMATE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

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**Drawings****Dimensional drawing**

**Data sheet**

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**Accessories**

**Non-contact tools**



Tools for dismantling Weidmüller crimp contacts

**General ordering data**

Type	DW RSV 1.6	Version
Order No.	<a href="#">9004530000</a>	Tool miscellaneous, Release tool
GTIN (EAN)	4008190041991	
Qty.	1 pc(s).	

**HTF RSV**



**Crimping tools for Weidmüller contacts for RSV and DSTV-HD systems**

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

**General ordering data**

Type	HTF RSV 16 WI	Version
Order No.	<a href="#">9013560000</a>	Pressing tool, Crimping tool for contacts, FoderBcrimp
GTIN (EAN)	4008190161163	
Qty.	1 pc(s).	
Type	HTF RSV 12	Version
Order No.	<a href="#">9013550000</a>	Pressing tool, Crimping tool for contacts, FoderBcrimp
GTIN (EAN)	4008190002046	
Qty.	1 pc(s).	