

CB1,6E18-16 AU,75 I3,5

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, Individual contact, Socket connector, Au (Gold), Max. clamping range : 1.5 mm ²
Order No.	1582410000
Type	CB1,6E18-16 AU,75 I3,5
GTIN (EAN)	4008190176228
Qty.	250 items
Product data	
Packaging	Box

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Technical data

Approvals

ROHS Conform

Dimensions and weights

Net weight 0.46 g

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption
 REACH SVHC No SVHC above 0.1 wt%

System Parameters

Wire connection method	Crimp connection	Conductor outlet direction	180°
Number of poles	1	Pin series quantity	1
Volume resistance	4.80 mΩ	Stripping length	4 mm
Plugging force/pole, max.	5.5 N	Pulling force/pole, max.	5.5 N

Material data

Contact material	Copper alloy	Contact surface	Au (Gold)
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.	2.00 mm	Outer diameter of insulation, max.	3.50 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	Box	VPE length	90.00 mm
VPE width	71.00 mm	VPE height	41.00 mm

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
- 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

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Classifications

ETIM 8.0	EC002943	ETIM 9.0	EC002943
ETIM 10.0	EC002943	ECLASS 14.0	27-46-04-03
ECLASS 15.0	27-46-04-03		

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Drawings

www.weidmueller.com

Dimensional drawing



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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 ST		

Crimping tools



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 12	Version	
Order No.	9013550000	Pressing tool, Crimping tool for contacts, FoderBcrimp	
GTIN (EAN)	4008190002046		
Qty.	1 ST		
Type	HTF RSV 16	Version	
Order No.	9013560000	Pressing tool, Crimping tool for contacts, FoderBcrimp	
GTIN (EAN)	4008190161163		
Qty.	1 ST		