

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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#### Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16 D-32758 Detmold

Germany

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Rectangular plug-in connector for use with crimp contacts. Can be used as universal coupling, but also with the PCB variations. The crimp contacts guarantee a high connection density. CS 1.6 or CB 1.6 contacts can be used here. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

#### General ordering data

RSV1,6 B4 GR
<u>1413000000</u>
PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Crimp connection, Clamping range, max.: 3.31 mm², Box
4008190076320
25 pc(s).
IEC: 630 V / 17 A UL: 600 V / 10 A / AWG 26 - AWG 12
Вох



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## **Technical data**

#### **Dimensions and weights**

Net weight 5.24 g			
	Net weight	5.24 0	

#### **System parameters**

Product family	OMNIMATE Signal - series	Type of connection	
	RSV		Field connection
Wire connection method	Crimp connection	Pitch in mm (P)	5 mm
Pitch in inches (P)	0.197 inch	Conductor outlet direction	180°
No. of poles	4	L1 in mm	5 mm
L1 in inches	0.197 inch	Number of rows	1
Pin series quantity		Touch-safe protection acc. to DIN V	DE
	2	57 106	Safe from finger touch
Touch-safe protection acc. to DIN	VDE	Can be coded	
0470	IP 20		Yes
Stripping length	4 mm	push-in force/pole	9 N
Withdrawal force per pole	18 N	Packaging	Box

#### **Material data**

Insulating material	Wemid (PA)	Colour	Pebble grey
Colour chart (similar)	RAL 7032	Insulating material group	I
CTI	≥ 600	UL 94 flammability rating	V-0
Contact material	Copper alloy	Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C	Max. relative humidity during storage	80 %
Operating temperature, max.	100 °C	Temperature range, installation, max.	100 °C

#### **Conductors suitable for connection**

Clamping range, min.	0.13 mm <sup>2</sup>	Clamping range, max.	3.31 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>

#### Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. no. of poles (Tu=20°C)	17 A
Rated current, max. no. of poles (Tu=20°C)	13 A	Rated current, min. no. of poles (Tu=40°C)	15 A
Rated current, max. no. of poles (Tu=40°C)	11.5 A	Rated voltage for surge voltage class / pollution degree II/2	630 V
Rated voltage for surge voltage class / pollution degree III/2	400 V	Rated voltage for surge voltage class / pollution degree III/3	250 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	4 kV	Short-time withstand current resistance	3 x 1s with 120 A



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## **Technical data**

#### Rated data acc. to CSA

nstitute (CSA)	<b>€</b> P-	Certificate No. (CSA)	
			53975-13
Rated voltage (Use group C)	600 V	Rated current (use group C)	13 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

#### Rated data acc. to UL 1059

Institute (UR)	<i>91</i> .	Certificate No. (UR)	
		E92202	
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

#### Classifications

ETIM 3.0	EC001284	ETIM 4.0	EC002636
ETIM 5.0	EC002636	ETIM 6.0	EC002637
UNSPSC	30-21-18-10	eClass 5.1	27-26-07-01
eClass 6.2	27-26-07-03	eClass 7.1	27-44-01-01
eClass 8.1	27-44-01-01	eClass 9.0	27-44-01-01
eClass 9.1	27-44-04-02		

Notes	
Notes	Additional colours on request
	Rated current related to rated cross-section & min. No. of poles.
	Spacing between rows: see hole layout
	Rated cross-section depends on crimp contact used.
	<ul> <li>Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.</li> </ul>
	Max. outer diameter of the cable (with insulation): 3.5 mm
IPC conformity	The products are developed, manufactured and delivered according to the internationally recognised IPC-A-610 standard, category "permissible". More extensive demands on the products can be evaluated on request.

Approvals



**ROHS** 



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## **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
Engineering Data	RSV1.6.zip



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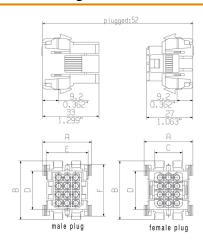
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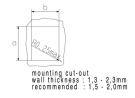
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## **Drawings**

### **Dimensional drawing**



### **Dimensional drawing**



		dimension	male plug / t	lemale plug		mountin	g cut-out
poles	A	В	C	D	Ε	8 -2.3	b :0.
4	23,0	25.0	10,8	12.8	17,8	20.3	18,1
6	23.0	30.0	10.8	17.6	17.8	25.1	18,1
9	29.0	30.0	16.6	17.6	23.8	25.1	24.0
12	29,0	35.0	16,6	22.6	23,8	30.0	24,0
18	29.0	46.0	16.6	33.0	23.8	40.5	24.0
24	33,0	46.0	20,6	33.0	27.8	40.5	28.3
36	33.0	61.0	20.6	48.0	27.8	55.5	28.3

#### Graph

