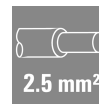
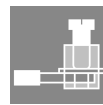


BHZ 5.00/04 BK/BK PRT 21/03**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

For our CH20M series, we offer first-class service with pre-coded and printed Female Plugs. This solution not only saves time during the installation of electronics housing thanks to pre-labeling but also provides protection against incorrect assembly through pre-coding—fully in line with the Poka-Yoke principle.

General ordering data

Version	PCB plug-in connector, female plug, 5.00 mm, Number of poles: 4, 90°, Clamping yoke connection, PRT 21 / 22 / 23 / 24; cod. 03, Box
Order No.	2492820000
Type	BHZ 5.00/04 BK/BK PRT 21/03
GTIN (EAN)	4050118502305
Qty.	78 items
Product data	IEC: 400 V / 10 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12
Packaging	Box

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Height	29 mm	Height (inches)	1.1417 inch
Length	14.6 mm	Length (inches)	0.5748 inch
Net weight	8 g		

System Parameters

Product family	OMNIMATE Housing - series CH20M	Type of connection	Field connection
Wire connection method	Clamping yoke connection	Pitch in mm (P)	5.00 mm
Pitch in inches (P)	0.197 "	Conductor outlet direction	90°
Number of poles	4	Pin series quantity	1
Rated cross-section	2.5 mm ²	Touch-safe protection acc. to DIN VDE 57 106	Safe from back-of-hand touch
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged/ IP10 unplugged	Protection degree	IP20
Can be coded	Yes	Stripping length	8 mm
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.6 Nm
Clamping screw	M 2.5	Screwdriver blade standard	DIN 5264
Plugging cycles	25		

Material data

Insulating material	PA 66 GF 30	Insulating material group	I
Comparative Tracking Index (CTI)	600 ≤ CTI	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	CuSn
Contact surface	tinned	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-25 °C
Operating temperature, max.	120 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	120 °C		

Conductors suitable for connection

Clamping range, min.	0.13 mm ²	Clamping range, max.	3.31 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.2 mm ²	Solid, max. H05(07) V-U	2.5 mm ²
Stranded, max. H07V-R	2 mm ²	Flexible, min. H05(07) V-K	0.2 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, 0.25 mm ² min.		w. plastic collar ferrule, DIN 46228 pt 4, 2.5 mm ² max.	
w. wire end ferrule, DIN 46228 pt 1, min.	0.25 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm ²
Plug gauge in accordance with EN 60999 a x b; ø	2.8 mm x 2.4 mm; 3.0 mm	Reference text	The outside diameter of the plastic collar should not be larger than the pitch (P). Length of ferrules is to be chosen depending on the product and the rated voltage.

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Technical data

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current at min. number of poles (Tu = 20 °C)	10 A
Rated voltage for surge voltage class (pollution degree II/2)	400 V	Rated voltage for surge voltage class (pollution degree III/2)	320 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
Creepage distance, min.	3.2 mm	Clearance, min.	3 mm

Rated data acc. to CSA

Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group C / CSA)	50 V
Rated voltage (Use group D / CSA)	300 V	Rated current (Use group B / CSA)	10 A
Rated current (Use group C / CSA)	10 A	Rated current (Use group D / CSA)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12

Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group C / UL 1059)	50 V
Rated voltage (Use group D / UL 1059)	300 V	Rated current (Use group B / UL 1059)	10 A
Rated current (Use group C / UL 1059)	10 A	Rated current (Use group D / UL 1059)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12

Material data

UL 94 flammability rating	V-0	Insulating material	PA 66 GF 30
Insulating material group	I	Comparative Tracking Index (CTI)	600 ≤ CTI

General data

Protection degree	IP20
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Important note

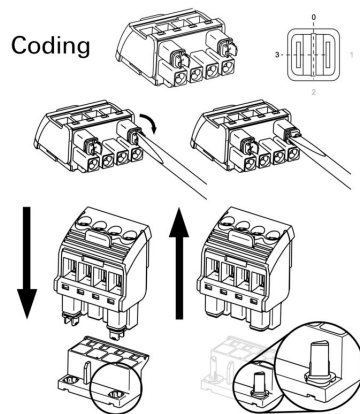
IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.
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Classifications

ETIM 8.0	EC002638	ETIM 9.0	EC002638
ETIM 10.0	EC002638	ECLASS 14.0	27-46-02-02
ECLASS 15.0	27-46-02-02		

Drawings

Product benefits



Product image

Similar to illustration, Example of use

Derating curve

Derating curve