

## CH20M BHZ 5.00/04/90LH BK/BL

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### Naturally, the CH20M system also shows its perfection in the peripheral interface.

When considering design options, processing, usability, reliability and security, the PCB terminals or pin headers and connectors are just as important in the practice as the entire system.

In every sector, the connection technology is at the top of its class.

- **100% non-interchangeable** Together with the captive, unique "Auto-Set" encoding, the uniquely detectable markers on the plug connection and in the front ensure misconnection-proof assignment of the connections. Both markers can be printed as cards in a PrintJet and then permanently snapped on.
- **100% intuitive** Quick and easy operation by means of an integrated colour-coded release lever with grip tab and including a screwdriver pocket.
- **100% safe** Touch protection for the male and female header on both sides
- **100% efficient** All PCB connection elements are reflow compatible
- **100% time and cost savings** During the installation: the quick all-purpose "Multi-Tool" screw head ensures a secure contact, user-friendly operation and less complexity. Additional features, such as the "Wire ready" technology, enable you to minimize wiring costs and increase customer satisfaction.

Simple, component-friendly unplugging of the female plug using the integrated release lever.

### General ordering data

Order No.	<a href="#">1069380000</a>
Type	BHZ 5.00/04/90LH BK/BL
Version	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box
Product data	IEC: 400 V / 0.2 - 2.5 mm² UL:
EAN	4032248825028
Qty.	78 pc(s).
Packaging	Box

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**Technical data**
**Dimensions**

Length	14.6 mm	Width	22.4 mm
Height	29 mm		

**System parameters**

Version	Blue release lever	Type of connection	Clamping yoke connection
Number of connections	4	Contact to terminal rail	No
Degree of protection	IP 20		

**Connectable conductors**

Clamping range, rated connection, min.	0.13 mm <sup>2</sup>	Clamping range, rated connection, max.	3.31 mm <sup>2</sup>
Conductor connection cross-section AWG, min.	AWG 26	Conductor connection cross-section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>	Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, min	0.25 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm <sup>2</sup>	w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm <sup>2</sup>		

**Material data**

Flammability class UL 94	V-0	Insulating material	PA 66 GV30
Colour	black	Contact surface	tinned
Continuous operating temp., min.	-20 °C	Continuous operating temp., max.	70 °C

**Rating data to DIN IEC**

Rated current, max. No. of poles (Tu=20°C)	10 A	Rated current, no. of poles (Tu=40°C), max.	9 A
Rated voltage for overvoltage class/pollution severity II/2	400 V	Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated voltage at overvoltage category/pollution degree III/3	250 V	Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV	Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV

**Classifications**

ETIM 4.0	EC002637	eClass 6.0	27-26-07-04
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**Approvals**

Approvals	CURUS
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