

CH20M
BHZ 5.00/02/90LH BK/OR

Weidmüller Interface GmbH & Co. KG
 Klingenbergsstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-2083
www.weidmueller.com



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.	1063260000
Part designation	BHZ 5.00/02/90LH BK/OR
Version	PCB plug-in connector, female plug, 5 mm, No. of poles: , 90°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box
GTIN (EAN)	4032248814923
Qty.	150 pc(s).
Packaging	Box

CH20M
BHZ 5.00/02/90LH BK/OR

Weidmüller Interface GmbH & Co. KG
 Klingenbergsstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-2083
www.weidmueller.com

Technical data
Dimensions (1)

Length	14.6 mm
Height	29 mm

Width	12.4 mm
-------	---------

System parameters

Version	Orange release lever
No. of connections	2
Protection class	IP 20

Type of connection	Clamping yoke connection
Contact to terminal rail	No

Connectable conductors

Clamping range, min.	0.13 mm ²
Conductor connection cross-section AWG, min.	AWG 26
Solid, min. H05(07) V-U	0.2 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
with wire end ferrule, DIN 46228 pt 1, max.	2.5 mm ²
with plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm ²

Clamping range, max.	3.31 mm ²
Conductor connection cross-section AWG, max.	AWG 14
Solid, max. H05(07) V-U	2.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, min	0.25 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²

Material data

Flammability class UL 94	V-0
Colour	black
Highest continuous operating temperature, min.	-20 °C

Insulating material	PA 66 GV30
Contact surface	tinned
Highest continuous operating temperature, max.	70 °C

Rating data to DIN IEC

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

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

Approvals

Approvals institutes

Classifications

eClass 6.0 27-26-07-08