

## Excellent Integrated System Limited

Stocking Distributor

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[Weidmüller](#)  
[1063280000](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

**Datasheet**

**CH20M**  
**BHZ 5.00/04/90LH BK/OR**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 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.	<a href="#">1063280000</a>
Part designation	BHZ 5.00/04/90LH BK/OR
Version	PCB plug-in connector, female plug, 5 mm, No. of poles: , 90°, Clamping yoke connection, Clamping range, max.: 3.31 mm², Box
GTIN (EAN)	4032248814947
Qty.	78 pc(s).
Packaging	Box

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## Technical data

### Dimensions (1)

Length	14.6 mm	Width	22.4 mm
Height	29 mm		

### System parameters

Version	Orange release lever	Type of connection	Clamping yoke connection
No. of connections	4	Contact to terminal rail	No
Protection class	IP 20		

### Connectable conductors

Clamping range, min.	0.13 mm <sup>2</sup>	Clamping range, 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>
with 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>
with 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
Highest continuous operating temperature, min.	-20 °C	Highest continuous operating temperature, 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

### Approvals

Approvals institutes

### Classifications

eClass 6.0 27-26-07-08