

CH20M BHZ 5.00/04/90LH BK/OR

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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. | 1063280000 |
| 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 ² | Clamping range, max. | 3.31 mm ² |
| 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 ² | Solid, max. H05(07) V-U | 2.5 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² | w. wire end ferrule, DIN 46228 pt 1, min | 0.25 mm ² |
| with wire end ferrule, DIN 46228 pt 1, max. | 2.5 mm ² | w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.25 mm ² |
| with plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 mm ² | | |

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