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

Creation date July 23, 2010 10:54:41 PM CEST

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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 mm²	Clamping range, max.	3.31 mm²
Conductor connection cross-section AWG, min.	AWG 26	Conductor connection cross-section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.2 mm²	Solid, max. H05(07) V-U	2.5 mm²
Flexible, min. H05(07) V-K	0.2 mm²	w. wire end ferrule, DIN 46228 pt 1, min	0.25 mm²
with wire end ferrule, DIN 46228 pt 1, max.	2.5 mm²	w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm²
with plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm²		

Material data

Flammability class UL 94	V-0	Insulating material	PA 66 GV30
Colour	black	Contact surface	tinned
Highest continous operating temperature, min.	-20 °C	Highest continous 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