

CH20M
CH20M6 BP 4P-4P BK

Weidmüller Interface GmbH & Co. KG
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The electronics world in a single slice

With a width of only 6.1 mm, a wide range of compact applications originates from this electronic development expertise.

The modular housing design supports the engineering with many intelligent features:

- **Maximum freedom of design** with large total surface area (6800 mm²) on the PCB – enabling the maximum component assembly with the space-saving form of the reflow-compatible THR terminals.
- **Customized design opportunities** with laser printing and housing colours, individual processing options, variable printing, and easily labelled hinged cover
- **Maximum processing efficiency** with reflow-compatible connection elements for reflow soldering in machine-ready tape packaging.
- **Error-free assembly and solder processes** with optimized frame and connecting adapter shapes on the PCB resulting in a perfect fit and positioning of the connection elements
- **Quick installation** with features such as "Wire Ready" or the all-purpose Multi-Tool screw head Electronics development expertise and Weidmüller's competence: that is a successful team for creating electronics applications.

Note: technical specifications are preliminary

General ordering data

Order No.	2418600000
Part designation	CH20M6 BP 4P-4P BK
Version	Electronics housings, CH20M black, Housing, black, Width: 6.1 mm
GTIN (EAN)	4032248899166
Qty.	50 pc(s).

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Technical data

Dimensions (1)

Length	110.7 mm	Width	6.1 mm
Height	114.3 mm		

System parameters

Version	Housing, black	Type of connection	Clamping yoke connection
No. of connections	8	No. of connection levels	4
Number of PCBs per module	1	PCB thickness	0.8 mm
Type of contact to PCB	Reflow	Tolerance for the PCB shape	±0.2
Encapsulation option	No	Max. power loss	0.7 W

Connectable conductors

Clamping range, min.	0.13 mm ²	Clamping range, max.	6 mm ²
Conductor connection cross-section AWG, min.	AWG 26	Conductor connection cross-section AWG, max.	AWG 10
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	Flexible, max. H05(07) V-K	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	PBT
Colour	black	Highest continuous operating temperature, min.	-20 °C
Highest continuous operating temperature, max.	85 °C		

Rating data to DIN IEC

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 90-27-26-07

Datasheet

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Drawings

