



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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CH20M
CH20M6 BP 4P-4P BK

Weidmüller Interface GmbH & Co. KG
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D-32758 Detmold
Germany
Fon: +49 5231 14-0
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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

