

CH20M6 BP 4P-4P FE BK 1 1261494

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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.
- **Customised 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 optimised 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

The combination of extensive knowledge from electronics developers and Weidmüller competence - creating innovative synergy for electronics applications.

General ordering data

Version	Modular housing, OMNIMATE Housing - series CH20M black, Housing base, Recess in the detent foot area for FE contact, Width: 6.1 mm
Order No.	2435460000
Type	CH20M6 BP 4P-4P FE BK 1 1261494
GTIN (EAN)	4050118447347
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Depth	114.3 mm	Depth (inches)	4.5 inch
Height	110.7 mm	Height (inches)	4.358 inch
Width	6.1 mm	Width (inches)	0.24 inch
Net weight	22.34 g		

Material data

Comparative Tracking Index (CTI)	400 ≤ CTI < 600	Insulating material	PBT
Insulating material group	IIIa	UL 94 flammability rating	V-0

General data

Colour	black	Colour chart (similar)	RAL 9011
Encapsulation option	No	Protection degree	IP20 in installed state
Rail	TS 35		

Assembly properties

Number of PCBs, max.	1	Number of connection levels, max.	8
Number of poles, max.	8	Height of components on the PCB, max.	3.5 mm
Type of assembly of the PCB	one-sided		

Component properties

Cut out in clip-on foot area as preparation for	FE contact, Contact included!	Number of connection levels, max.	8
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Design - IN requirements

PCB thickness	0.8 mm	Tolerance for the PCB shape	±0.1 mm
Tolerance of circuit board thickness	±0.1 mm		

Individualization options

Alternative colours	More on request	Customer specific cutouts possible	Yes
Customer specific labelling possible	Yes	Customer specific order process	See guideline under downloads

Classifications

ETIM 7.0	EC001031	ETIM 8.0	EC001031
ETIM 9.0	EC001031	ECLASS 11.0	27-18-27-92
ECLASS 12.0	27-18-27-92	ECLASS 13.0	27-19-06-01

Approvals

ROHS	Conform
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Technical data

Downloads

Engineering Data	CAD data – PCB Reference Layout
	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL ANALO.SIGN.CONV. EN
	MB DEVICE MANUF. EN
	FL MACHINE SAFETY EN
	FL 72H SAMPLE SER EN
	PO OMNIMATE EN

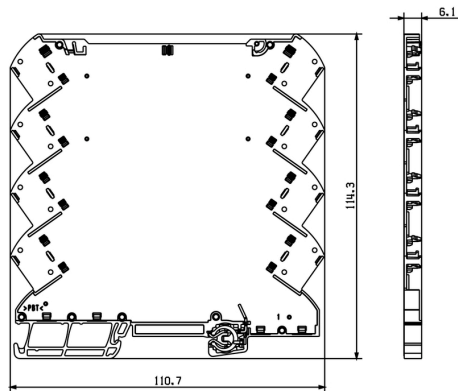
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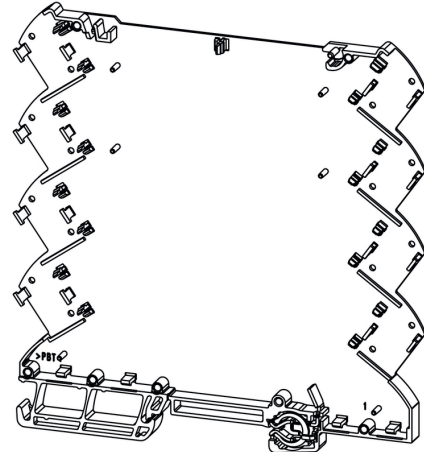
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Drawings

Product image



Product image



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Accessories

CH20M6 C - Tilt cover



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General ordering data

Type	CH20M6 C TP 8089	Version
Order No.	1073410000	Modular housing, OMNIMATE Housing - series CH20M Transparent,
GTIN (EAN)	4032248831203	Flip cover, Width: 6.1 mm
Qty.	50 pc(s).	
Type	CH20M6 C BK 1819	Version
Order No.	2418620000	Modular housing, OMNIMATE Housing - series CH20M black,
GTIN (EAN)	4032248899142	Transparent, Flip cover, Width: 6.1 mm
Qty.	50 pc(s).	