### OMNIMATE Housing - series CH20M CH20M45 B FE BK/OR



#### Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany Fon: +49 5231 14-0 Fax: +49 5231 14-292083 www.weidmueller.com



# Superior efficiency, flexibility and design - the "standard tailor-made fit"

When selecting a housing design, flexibility is a key factor. Other important criteria are: scalability, customised design, innovative functionality and cost efficiency. You need a choice which offers the maximum performance with the minimum overhead.

The CH20M45 modular electronics housings come in an integrated extra-large assortment. It is suited for those electronics applications that require more space, such as compact controllers and power supplies.

The entire system is characterized by excellence: outstanding scalability and flexibility, a high security level, innovative application functionality and a variety of practical details.

- Quicker installation with features such as "Wire ready" the universal multi-tool screw head
- **User-friendly operations:** with clear and permanent labelling and extra marking possibilities, integrated release clip or transparent cover
- Maximum interference immunity with EMCcompliant construction featuring deeply overlapping module joint edges made from high-performance plastic
- **High operational reliability** with the unique Auto-Set coding system and featuring double-sided touch protection on the pin header and socket blocks

CH20M - a compact name for the most flexible system available on the market. It doesn't just stand for "Component Housing IP20 Modular". CH20M also stands for efficiency and innovation throughout design, production and use.

#### General ordering data

Туре	CH20M45 B FE BK/OR		
Order No.	<u>1177030000</u>		
Version	Modular housing, OMNIMATE Housing - series CH20M black, Flange-mounted housing, Width: 45 mm		
GTIN (EAN)	4032248970377		
Qty.	6 pc(s).		

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# **Technical data**



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Dimensions and weights			
Length	107.4 mm	Length (inches)	4.228 inch
Width	45 mm	Width (inches)	1.772 inch
Height	109.3 mm	Height (inches)	4.303 inch
Net weight	49.83 g		
System characteristics			
Version	Flange-mounted housing	Type of connection	FE connection
Number of PCBs per module	2	PCB thickness	1.6 mm
Tolerance for the PCB shape	±0.15 mm	Contact to terminal rail	Yes
Encapsulation option	No		103
Material data			
Insulating material	PA 66 GF 30	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	<u> </u>
Comparative Tracking Index (CTI)	≥ 550	UL 94 flammability rating	V-0
Max. relative humidity during storage	80 %	Operating temperature, min.	-40 °C
Operating temperature, max.	120 °C		
Classifications			
ETIM 6.0	50001021	ETIM 7.0	FC001001
	EC001031		EC001031
eClass 9.0	27-18-27-90	eClass 10.0	27-18-27-92
Approvals			
ROHS	Conform		
Downloads			
Prochuro (Cotologuo	FL ANALO.SIGN.CONV. EN		
Brochure/Catalogue	MB DEVICE MANUF. EN CAT 2 PORTFOLIOGUIDE EN FL MACHINE SAFETY EN		
	FL 72H SAMPLE SER EN		
<u> </u>	PO OMNIMATE EN		
Engineering Data Engineering Data	EPLAN STEP		

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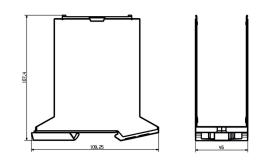
# Drawings

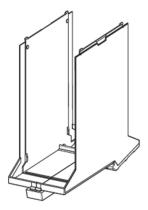


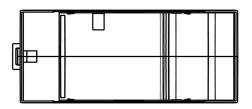


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