### OMNIMATE Housing - series CH20M CH20M45 S 3SC/2PSC BK 2010



#### Weidmüller Interface GmbH & Co. KG

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# 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 S 3SC/2PSC BK 2010		
Order No.	<u>1137750000</u>		
Version	Modular housing, OMNIMATE Housing - series		
	CH20M black, Side element, Width: 45 mm		
GTIN (EAN)	4032248919642		
Qty.	6 pc(s).		

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## **Technical data**

**Dimensions and weights** 



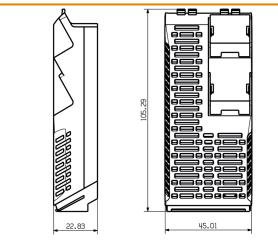
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Dimensions and weights			
Length	105.49 mm	Length (inches)	4.153 inch
Width	45 mm	Width (inches)	1.772 inch
Height	22.83 mm	Height (inches)	0.899 inch
Net weight	14.7 g		
System characteristics			
Version	Side element	Number of connections	8
Number of connection levels	2	Number of PCBs per module	2
Contact to terminal rail	No	Encapsulation option	No
Material data			
Insulating material	PA 66 GF 30	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	
	≥ 550	UL 94 flammability rating	V-0
Comparative Tracking Index (CTI) Max. relative humidity during storage	<u>2 550</u> 80 %	, ,	
Operating temperature, max.	120 °C	Operating temperature, min.	-40 C
Classifications	120 C		
Glassifications			
ETIM 6.0	EC001031	ETIM 7.0	EC001031
eClass 9.0	27-18-27-90	eClass 9.1	27-18-27-90
eClass 10.0	27-18-27-92		
Approvals			
ROHS	Conform		
Downloads			
Brochure/Catalogue	FL ANALO.SIGN.CONV. EN MB DEVICE MANUF. EN CAT 2 PORTFOLIOGUIDE EN FL MACHINE SAFETY EN FL 72H SAMPLE SER EN PO OMNIMATE EN		
Engineering Data	EPLAN		
Engineering Data	STEP		

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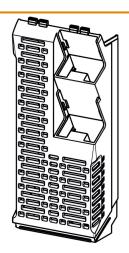
## Drawings





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