

**OMNIMATE Housing - series CH20M  
CH20M45 B LGY/BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

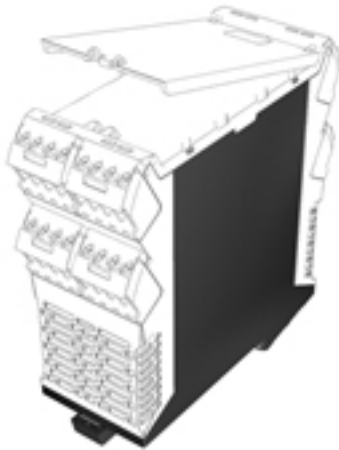
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**Superior efficiency, flexibility and design - the  
"standard tailor-made fit"**

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 EMC-compliant 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**

Type	CH20M45 B LGY/BK
Order No.	<a href="#">1164750000</a>
Version	Modular housing, OMNIMATE Housing - series CH20M Light Grey, Flange-mounted housing, Width: 45 mm
GTIN (EAN)	4032248954261
Qty.	6 pc(s).

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### Technical data

#### 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	39.32 g		

#### System characteristics

Version	Flange-mounted housing	Type of connection	without
Number of PCBs per module	2	PCB thickness	1.6 mm
Tolerance for the PCB shape	±0.15 mm	Contact to terminal rail	No
Encapsulation option	No		

#### Material data

Insulating material	PA 66 GF 30	Colour	Light Grey
Colour chart (similar)	RAL 7035	Insulating material group	II
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	EC001031	ETIM 7.0	EC001031
eClass 9.0	27-18-27-90	eClass 10.0	27-18-27-92

#### Approvals

ROHS	Conform
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#### Downloads

Brochure/Catalogue	<a href="#">FL ANALO.SIGN.CONV. EN</a> <a href="#">MB DEVICE MANUF. EN</a> <a href="#">FL MACHINE SAFETY EN</a> <a href="#">FL 72H SAMPLE SER EN</a> <a href="#">PO OMNIMATE EN</a>
Engineering Data	<a href="#">EPLAN</a>
Engineering Data	<a href="#">STEP</a>

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## Drawings

