Weidmüller

OMNIMATE Housing - series CH20M
CH20M17 B BK/BK

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 CH20M17 modular electronics housing is the ideal housing solution for compact standard electronics applications.

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	CH20M17 B BK/BK
Order No.	1254120000
Version	Modular housing, OMNIMATE Housing - series CH20M black, Flange-mounted housing, Width: 17.5 mm
GTIN (EAN)	4050118047035
Qty.	12 pc(s).

Creation date May 2, 2020 6:27:52 PM CEST

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Technical data

Dimensions and weights

Length	107.4 mm	Length (inches)	4.228 inch
Width	17.5 mm	Width (inches)	0.689 inch
Height	109.3 mm	Height (inches)	4.303 inch
Net weight	29.858 g		

System characteristics

Version	Flange-mounted housing	Type of connection	without
Number of PCBs per module	1	PCB thickness	1.6 mm
Tolerance for the PCB shape	±0.15 mm	Contact to terminal rail	No
Protection degree	IP20	Encapsulation option	No

Material data

Insulating material	PA 66 GF 30	Colour	black
Colour chart (similar)	RAL 9011	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

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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