OMNIMATE Housing - series CH20M
CH20M45 SET 11/11 BK/OR

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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 SET 11/11 BK/OR
Order No.	1519380000
Version	Electronics housings, OMNIMATE Housing - series CH20M Black, Width: 45 mm
GTIN (EAN)	4050118327052
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	119.2 mm	Length (inches)	4.693 inch
Width	45 mm	Width (inches)	1.772 inch
Height	113.6 mm	Height (inches)	4.472 inch
Net weight	151.7 g		

System characteristics

Type of connection	pluggable	Number of connections	16
Number of connection levels	1	Number of PCBs per module	2
PCB thickness	1.6 mm	Type of contact to PCB	Solder connection, direct
Tolerance for the PCB shape	±0.1 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
CTI	≥ 550	UL 94 flammability rating	V-0
Storage temperature, min.	-40 °C	Storage temperature, max.	85 °C
Max. relative humidity during storage	80 %	Operating temperature, min.	-40 °C
Operating temperature, max.	120 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	85 °C		

Rated data acc. to IEC

Rated current, max. no. of poles (Tu=20°C)	10 A	Rated current, max. no. of poles (Tu=40°C)	9 A
Rated voltage for surge voltage class / pollution degree II/2	400 V	Rated voltage for surge voltage class / pollution degree III/2	320 V
Rated voltage for surge voltage class / pollution degree III/3	250 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV
Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV	Rated impulse voltage for surge voltage class/ contamination degree III/3	4 kV

Classifications

ETIM 5.0	EC002504	eClass 6.2	27-18-05-05
eClass 7.1	27-18-05-05	eClass 8.1	27-18-05-05
eClass 9.0	27-18-05-05	eClass 9.1	27-18-27-92

Notes

Notes

Approvals

ROHS	Conform

Downloads

Brochure/Catalogue	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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Drawings

