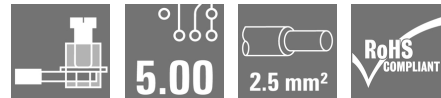


OMNIMATE Housing - series CH20M CH20M22 SET 1/1 BK/OR

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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Similar to illustration



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 CH20M22 modular electronics housing is the standard format from amongst the different housing widths. It has the optimal width for most typical 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 ESD-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	CH20M22 SET 1/1 BK/OR
Order No.	1519300000
Version	Electronics housing sample, OMNIMATE Housing - series CH20M black, Sample kit for developers, consisting of individual parts incl. female plug, Width: 22.5 mm
GTIN (EAN)	4050118326895
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Length	119.2 mm	Length (inches)	4.693 inch
Width	22.5 mm	Width (inches)	0.886 inch
Height	113.6 mm	Height (inches)	4.472 inch
Net weight	97 g		

System characteristics

Version	Sample kit for developers, consisting of individual parts incl. female plug	Type of connection	pluggable
Number of connections	8	Number of connection levels	1
Number of PCBs per module	1	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
Heat and fire resistance in accordance with IEC 60335-1 (glow wire test)	GWIT (glow wire ignition temperature) 850°C, 30 sec. in acc. with IEC 60695-2-12, GWIT (glow wire ignition temperature) 775°C, 5 sec. in acc. with IEC 60695-2-13	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	250 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	ETIM 6.0	EC001031
eClass 6.2	27-18-05-05	eClass 7.1	27-18-05-05
eClass 8.1	27-18-05-05	eClass 9.0	27-18-27-02
eClass 9.1	27-18-27-92		

Notes

Notes

Data sheet

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Technical data

Approvals

ROHS	Conform
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Data sheet

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Drawings

