

#### 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, customized design, innovative functionality and cost efficiency. You need a choice which offers the maximum performance with the minimum overhead.

The CH20M12 modular electronics housing is the "small" option amongst the "large" housing solutions for compact 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 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	CH20M12 SET 1/2 BK/OR
Order No.	<u>1519230000</u>
Version	Electronics housing sample, OMNIMATE Housing - series CH2OM black, Sample kit for developers, consisting of individual parts incl. female plug, Width: 12.5 mm
GTIN (EAN)	4050118326987
Qty.	1 pc(s).

## **Technical data**



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Length	119.2 mm	Length (inches)	4.693 inch
Width	12.5 mm	Width (inches)	0.492 inch
Height	113.6 mm	Height (inches)	4.472 inch
Net weight	81 g		
System characteristics			
Version	Sample kit for developers, consisting of individual parts incl. female plug	Type of connection	pluggable
Number of connections	6	Number of connection levels	2
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	Encapsulation option	No
Material data			
nsulating material	PA 66 GF 30	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	
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	·polataro (20.30, 110/2010), 1111.	
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	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	27-18-03-05
eClass 9.1	27-18-27-92		27-10-27-02
Notes			
Notes			
Approvals			
	Conform		

## Creation date May 27, 2019 5:07:03 PM CEST

# **Technical data**

#### Downloads

Brochure/Catalogue

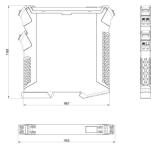
FL ANALO.SIGN.CONV. EN MB DEVICE MANUF. EN FL MACHINE SAFETY EN FL 72H SAMPLE SER EN PO OMNIMATE EN



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## Drawings





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