

OMNIMATE Housing - series CH20M CH20M12 S PPP AGY 3747

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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 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	CH20M12 S PPP AGY 3747
Order No.	2554690000
Version	Side element, OMNIMATE Housing - series CH20M Agate grey, Width: 12.5 mm
GTIN (EAN)	4050118565034
Qty.	14 pc(s).

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Technical data
Dimensions and weights

Length	105.49 mm	Length (inches)	4.153 inch
Width	12.5 mm	Width (inches)	0.492 inch
Height	22.83 mm	Height (inches)	0.899 inch
Net weight	6.22 g		

System characteristics

Number of connections	6	Number of connection levels	3
Number of PCBs per module	1	Contact to terminal rail	No
Protection degree	IP20	Encapsulation option	No

Material data

Insulating material	PA 66 GF 30	Colour	Agate grey
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

Classifications

ETIM 5.0	EC001031	ETIM 6.0	EC001031
eClass 6.2	27-18-27-02	eClass 7.1	27-18-27-02
eClass 8.1	27-18-27-02	eClass 9.0	27-18-27-90
eClass 9.1	27-18-27-90		

Notes

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Approvals

ROHS Conform

Downloads

Engineering Data [STEP](#)