CH20M45 S 2PSC/2PSC LGY 2018

Product image

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

Version	Modular housing, OMNIMATE Housing - series CH20M Light Grey, Width: 45 mm
Order No.	1164790000
Type	CH20M45 S 2PSC/2PSC LGY 2018
GTIN (EAN)	4032248954827
Qty.	6 pc(s).
Information regarding whole assembly, see referenced articles	1104410000

Creation date January 21, 2022 3:22:10 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Height	22.83 mm	Height (inches)	0.899 inch
Width	45 mm	Width (inches)	1.772 inch
Net weight	13.2 g		

Temperatures

Operating temperature range	-40 °C...120 °C	Humidity	5 - 93% rel. humidity, Tu = 40°C, no condensation

Component Properties

Cut out as preperation for functional port integrated	No	Number of connection levels	4
Number of cooling levels	2	Number of poles, max.	16

General data

Colour	Light Grey	Colour chart (similar)	RAL 7035
Encapsulation option	No	Protection degree	IP20 in installed state

Material data

Comparative Tracking Index (CTI)	600 ≤ CTI	Insulating material	PA 66 GF 30
Insulating material group	I	UL 94 flammability rating	V-0

Classifications

ETIM 6.0	EC001031	ETIM 7.0	EC001031
ETIM 8.0	EC001031	ECLASS 9.0	27-18-27-90
ECLASS 9.1	27-18-27-90	ECLASS 10.0	27-18-27-92
ECLASS 11.0	27-18-27-92		

Approvals

ROHS	Conform

Downloads

Engineering Data	CAD data – STEP
Engineering Data	EPLAN
Catalogues	Catalogues in PDF-format
Brochures	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
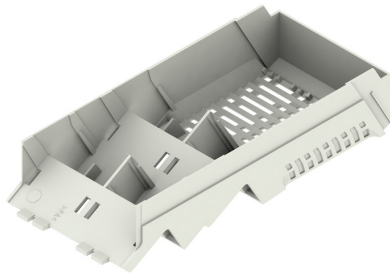
Product image

Product image

Dimensioned drawing
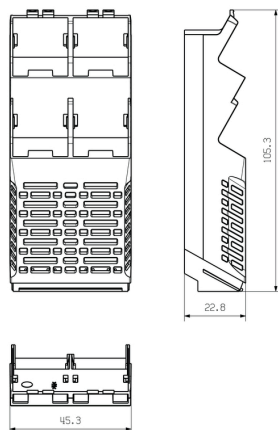
Weidmüller 〓〓

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Accessories

CH20M AD SHL 5.00/04 - Side element cover for CH20M22, CH20M45, CH20M67

The perfect platform for function and innovation:
Innovative function electronics require intelligent "packages" in order to integrate perfectly in the system environment.
The ongoing development and consistent expansion of the Weidmüller electronics housing portfolio provides a secure platform for future electronics applications whatever the design or intended use. CAD data for PCBs is provided for all enclosures. Screw and tension clamp terminals are available for all connections.
The consistent synergy between design, connection system and functionality lays the perfect foundation stone for electronics systems designed in line with market and application requirements.
Function, shape and manufacturing quality combine into a single logical unit that provides maximum reliability and operating comfort for the user.

General ordering data

Type	CH20M AD SHL 5.00/04 BK ...	Version
Order No.	1221310000	Hood, OMNIMATE Housing - series CH20M black, Width: 22.5 mm
GTIN (EAN)	4050118004830	
Qty.	50 pc(s).	
Type	CH20M AD SHL 5.00/04 LG ...	Version
Order No.	1432890000	Hood, OMNIMATE Housing - series CH20M Light Grey, Width: 22.5
GTIN (EAN)	4050118237641	mm
Qty.	50 pc(s).	
Type	CH20M AD SHL 5.00/04 GG ...	Version
Order No.	1413740000	Hood, OMNIMATE Housing - series CH20M Graphite grey, Width:
GTIN (EAN)	4050118241648	22.5 mm
Qty.	50 pc(s).	
Type	CH20M AD SHL 5.00/04 AG ...	Version
Order No.	1472830000	Hood, OMNIMATE Housing - series CH20M Agate grey, Width: 22.5
GTIN (EAN)	4050118279429	mm
Qty.	50 pc(s).	

Mouser Electronics

Authorized Distributor

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  [1164790000]()