CH20M45 S P2SC/P2SC BK 2010

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 black, Side element, Width: 45.3 mm
Order No.	1166180000
Type	CH20M45 S P2SC/P2SC BK 2010
GTIN (EAN)	4032248957019
Qty.	6 pc(s).
Information regarding whole assembly, see referenced articles	1104410000

Creation date July 5, 2024 1:44:07 AM CEST

CH20M45 S P2SC/P2SC BK 2010

Technical data

Dimensions and weights

Depth	105.3 mm		Depth (inches)	4.146 inch
Height	22.8 mm		Height (inches)	0.898 inch
Width	45.3 mm		Width (inches)	1.783 inch
Net weight	19.667 g			

Temperatures

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

Material data

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

General data

Colour	black		Colour chart (similar)	RAL 9011
Encapsulation option	No		Protection degree	IP20 in installed state

Component properties

Cut out as preperation for functional port integrated	No		Number of connection levels	1
Number of poles, max.	8		Number of slots for female plugs	2
Number of ventilation openings	4			

Classifications

ETIM 7.0	EC001031		ETIM 8.0	EC001031
ETIM 9.0	EC001031		ECLASS 11.0	27-18-27-92
ECLASS 12.0	27-18-27-92		ECLASS 13.0	27-19-06-02

Environmental Product Compliance

REACH SVHC	/

Approvals

ROHS	Conform

Downloads

Engineering Data	CAD data – STEP
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
	PO OMNIMATE EN

Creation date July 5, 2024 1:44:07 AM CEST

Weidmüller ƎE

CH20M45 S P2SC/P2SC BK 2010

Drawings

Product image

Product image
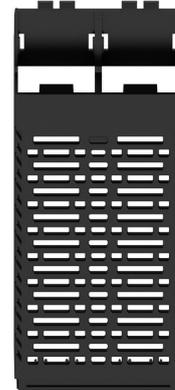
Dimensioned drawing
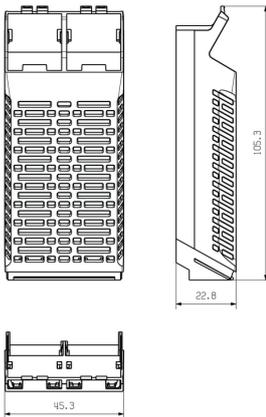
Creation date July 5, 2024 1:44:07 AM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

3

CH20M45 S P2SC/P2SC BK 2010

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