Weidmüller

CH20M45 F RD 2014

Product image

Halogen Free | IP20 | | | | RoHS COMPLIANT

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 red, Front element, including preperation for flip cover, Width: 45 mm
Order No.	1209390000
Type	CH20M45 F RD 2014
GTIN (EAN)	4032248990603
Qty.	30 pc(s).
Information regarding whole assembly, see referenced articles	1104410000

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Technical data

Dimensions and weights

Depth	15.5 mm	Depth (inches)	0.61 inch
Height	100 mm	Height (inches)	3.937 inch
Width	45 mm	Width (inches)	1.772 inch
Net weight	3.633 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	red	Colour chart (similar)	RAL 3020
Encapsulation option	No	Protection degree	IP20 in installed state

Component properties

Flip cover mountable	Yes	Marker integrateable	No

Individualization options

Alternitive colours	More on request	Customer specific cutouts possible	Yes
Customer specific labelling possible	Yes	Customer specific order process	See guideline under downloads
Processing possibilities	Laser processing, Milling		

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	27-19-06-03

Environmental Product Compliance

REACH SVHC	/		

Approvals

ROHS	Conform		

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Technical data

Downloads

Engineering Data	CAD data – STEP
User Documentation	Guideline customerspecific housings
	Guideline kundenspezifische Gehäuse
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

Dimensioned drawing

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