Weidmüller ⋺⋸

CH20M17 C BK 1819

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 CH20M17 modular electronics housing is the ideal housing solution for compact standard 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

Version	Modular housing, OMNIMATE Housing - series CH20M black, Width: 17.5 mm
Order No.	1254150000
Type	CH20M17 C BK 1819
GTIN (EAN)	4050118047059
Qty.	70 pc(s).
Information regarding whole assembly, see referenced articles	1254130000

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Technical data

Dimensions and weights

Height	86.9 mm	Height (inches)	3.421 inch
Width	17.5 mm	Width (inches)	0.689 inch
Length	6 mm	Length (inches)	0.236 inch
Net weight	2.29 g		

Temperatures

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

Component Properties

Marker integrateable	Yes	Safety lock	sealable

Individualization options

Customer specific cutouts possible	No	Customer specific labelling possible	Yes
Customer specific order process	See guideline under downloads		

General data

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

Material data

Comparative Tracking Index (CTI)	$175 \leq CTI < 400$	Insulating material	PC
Insulating material group	IIIa	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	ECLASS 12.0	27-18-27-92

Approvals

ROHS	Conform

Downloads

Engineering Data	CAD data – STEP
Engineering Data	EPLAN
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
	PO OMNIMATE EN

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Drawings

Product image

Dimensioned drawing

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Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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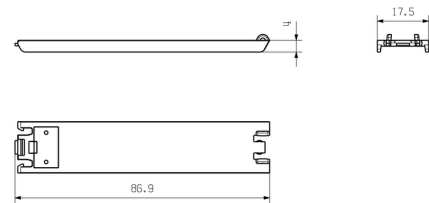
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