CH20M
SK DEMO CH20M12

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.

Note: technical specifications are preliminary

General ordering data

Order No.	1111630000
Type	SK DEMO CH20M12
Version	Electronics housings, CH20M black, Component housing, Width: 12 mm
EAN	4032248889945
Qty.	1 pc(s).

Creation date June 10, 2011 3:21:37 PM CEST

Weidmüller 3E

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Technical data

Dimensions

Length	119.2 mm	Width	12 mm
Height	113.6 mm		

System parameters

Version	Reference product CH20M12 housing, completely mounted, including 4 socket connectors	Type of connection	
			pluggable
Number of PCBs per module	1	PCB thickness	1.6 mm
Type of contact to PCB	Solder connection, direct	Tolerance for the PCB shape	±0.1 mm
Contact to terminal rail	No	Degree of protection	IP 20
Encapsulation option	No		

Connectable conductors

Clamping range, rated connection, min.	0.13 mm²	Clamping range, rated connection, max.	3.31 mm²
Conductor connection cross-section AWG, min.	AWG 26	Conductor connection cross-section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.2 mm²	Solid, max. H05(07) V-U	2.5 mm²
Flexible, min. H05(07) V-K	0.2 mm²	w. wire end ferrule, DIN 46228 pt 1, min	0.25 mm²
w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm²	w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm²		

Material data

Flammability class UL 94	V-0	Insulating material	PA 66 GF 30
Colour	black	Continuous operating temp., min.	-20 °C
Continuous operating temp., max.	85 °C		

Rating data to DIN IEC

Rated current, max. No. of poles (Tu=20°C)	10 A	Rated current, no. of poles (Tu=40°C), max.	9 A
Rated voltage for overvoltage class/pollution severity II/2	400 V	Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated voltage at overvoltage category/ pollution degree III/3	250 V	Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV	Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV

Classifications

eClass 6.0	27-18-05-05

Approvals

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Drawings