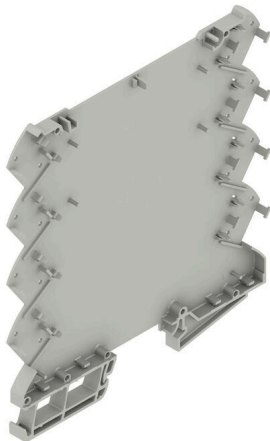


CH20M6 BP 4P-4P BUS AGY LF 1 1293807

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

The basic element of the modular CH20M housing offers a number of advantages that make it an excellent choice for your projects. With special cut-outs for bus and FE contacts, it is particularly flexible and adaptable.

Another plus point is the option of laser printing on the housing, which offers you high precision and individual design options. A wide range of colors is also available so that you can design the housing entirely according to your wishes.

The CH20M housing is also suitable for standard mounting rails, which makes installation and integration into existing systems easier.

General ordering data

Version	Modular housing, OMNIMATE Housing - series CH20M Agate grey, Housing base, Recess in detent foot area for BUS contact, Width: 6.1 mm
Order No.	2771420000
Type	CH20M6 BP 4P-4P BUS AGY LF 1 1293807
GTIN (EAN)	4064675032151
Qty.	50 items

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Depth	114.3 mm	Depth (inches)	4.5 inch
Height	110.7 mm	Height (inches)	4.3583 inch
Width	6.1 mm	Width (inches)	0.2402 inch
Net weight	1.76 g		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

UL 94 flammability rating	V-0	Insulating material	PBT
Insulating material group	II	Surface finish	untreated
Basic material	Plastic	Comparative Tracking Index (CTI)	400 ≤ CTI < 600

General data

Colour	Agate grey	Protection degree	IP20 in installed state
Mounting rail	TS 35	Colour chart (similar)	RAL 7038
Encapsulation option	No		

Assembly properties

Number of PCBs, max.	1	Number of connection levels, max.	8
Number of poles, max.	8	Height of components on the PCB, max.	3.5 mm
Type of assembly of the PCB	one-sided		

Mechanical tests

According to Standard	DIN EN 61373:1999 (shock and vibration)		
Test conditions	50g additional weight on the PCB, with endbrackets WEW 35/1 (1059000000), four housings installed in a row		
Proved axes	X, Y, Z		
Shock test	General test advices	All mechanical tests were tested on exemplary setup, or in view of depending regulation. The specified results do not replace approval relevant tests. They are just orientation values.	
	Test category	1	
	Number of shocks per axle	3 in positive and negative direction	
	Shock duration	30 ms	
	Acceleration horizontal	50.00 m/s ²	
	Acceleration vertical	50.00 m/s ²	
	Acceleration longitudinal	50.00 m/s ²	
Vibration test	Test category	1B	
	Test duration	5 hours per axle	
	Effective acceleration	7.9 m/s ²	

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Technical data

Component properties

Cut out in clip-on foot area as preparation for	Bus contact not included!	Number of connection levels, max.	8
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Design - IN requirements

Tolerance for the PCB shape	±0.1 mm	PCB thickness	0.8 mm
Tolerance of circuit board thickness	±0.1 mm		

Individualization options

Customer specific cutouts possible	Yes	Customer specific labelling possible	Yes
Customer specific order process	See guideline under downloads	Alternative colours	More on request

Classifications

ETIM 8.0	EC001031	ETIM 9.0	EC001031
ETIM 10.0	EC001031	ECLASS 14.0	27-19-06-01
ECLASS 15.0	27-19-06-01		

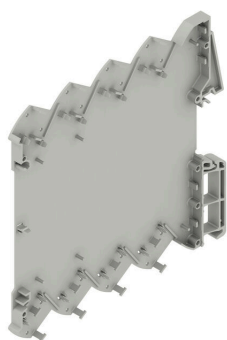
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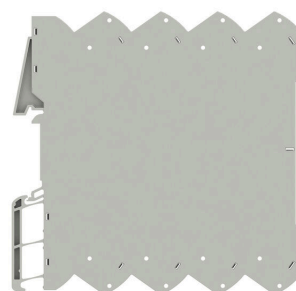
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Drawings

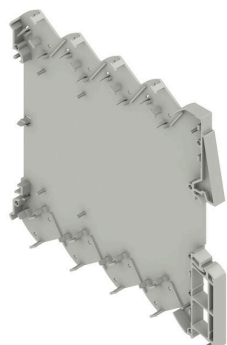
Product image



Product image



Product benefits



Base element including BUS cut-out

Dimensioned drawing

