

#### Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

#### **Product image**















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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 CH2OM black, Base element, Width: 22.5 mm
Order No.	<u>1104450000</u>
Туре	CH20M22 B BK/OR 2010
GTIN (EAN)	4032248878888
Qty.	10 items





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3 in positive and negative direction

30 ms 30.00 m/s<sup>2</sup>

1B

30.00 m/s<sup>2</sup> 50.00 m/s<sup>2</sup>

5 hours per axle

# Technical data

Approvals					
ROHS	Conform				
Dimensions and weights	Comorni				
Dimensions and weights					
Depth	108 mm	Depth (inches)	4.252 inch		
	109.3 mm	Height (inches)	4.3031 inch		
Width	22.5 mm	Width (inches)	0.8858 inch		
Net weight	40.1 g				
Temperatures			,		
Ambient temperature	-25 °C85 °C	Operating temperature range	-40120 ℃		
Humidity	5 - 93% rel. humidity, Tu = 40°C, no condensation	Operating temperature range	-40120 0		
Environmental Product Co	mpliance				
2.110.0					
RoHS Compliance Status REACH SVHC		Compliant without exemption			
REACH SVHC	No SVHC above 0.1 Wt%	No SVHC above 0.1 wt%			
Material data	-				
UL 94 flammability rating	V-0	Insulating material	PA 66 GF 30		
nsulating material group	l	Surface finish	untreated		
Basic material	Plastic	Comparative Tracking Index (CTI)	600 ≤ CTI		
General data					
Colour	black	Protection degree	IP20 in installed state		
Mounting rail	TS 35	Colour chart (similar)	RAL 9011		
Encapsulation option	No				
Assembly properties					
Number of slots for female connect	ors of 6	Number of PCBs. max.	1		
the mounted assembly, max.	3.0 3.0	rambor of r obs, max.	ı		
Number of connection levels, max.	3	Number of poles, max.	24		
Height of components on the PCB,	max. 16.1 mm	Type of assembly of the PCB	double-sided		
Mechanical tests					
According to Stondard	DIN EN 61272-1000 /-b	lk and vibration)			
According to Standard Test conditions	DIN EN 61373:1999 (shoc	row, 200g additional weight on the PCB			
Proved axles	X, Y, Z	ow, 2009 additional weight on the FCD			
Shock test	General test advices	•			
	Test and the same state of the				

Creation date 28.11.2025 02:31:31 MEZ

Vibration test

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Test category

Shock duration

Test category
Test duration

Number of shocks per axle

Acceleration horizontal Acceleration vertical

Acceleration longitudinal





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# **Technical data**

	Effective acceleration	7.9 m/s²		
Thermal tests				
Th	Company to a to a design a	All the same of the state of		
Thermal tests	General test advices  All thermal tests were tested on examplary setup, or in view of depending regulation. specified results do not replace approval re		f depending regulation. The onot replace approval relevan	
	tests. They are just orientation values.			
	Test conditions	three housings installed in a row - no spacing		
	Test axles	horizontal		
	Ambient temperature	70 °C		
	Power dissapation, max.	1.9 W		
	Ambient temperature	60 °C		
	Power dissapation, max.	2.35 W		
	Ambient temperature	40 °C		
	Power dissapation, max.	3.4 W		
	Ambient temperature	20 °C		
	Power dissapation, max.	4.5 W		
Component properties				
Color of clip-on foot	orange	Number of connection levels, max.	3	
Design - IN requirements				
Talayan as for the DCD share	±0.1 mm	PCB thickness	1.6 mm	
Tolerance for the PCB shape  Tolerance of circuit board thickness	±0.1 mm	PCB thickness	1.0 mm	
	±0.13 mm			
Individualization options				
Customer specific labelling possible	Yes	Customer specific order process	See guideline under downloads	
Alternitive colours	More on request	Processing possibilities	Laser processing	
mportant note				
Product information		cted zones, and other information for the y connection technology under the corre	•	
Classifications	'			
TIM 8.0	EC001031	ETIM 9.0	EC001031	
ETIM 10.0	EC001031	ECLASS 11.0	27-18-27-92	
ECLASS 12.0	27-18-27-92	ECLASS 13.0	27-19-06-01	
ECLASS 14.0	27-19-06-01	ECLASS 15.0	27-19-06-01	

Catalogue status / Drawings



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# **Drawings**

#### **Product image**



#### **Product image**



Base element without cut-out in snap-in foot area

#### **Dimensioned drawing**

