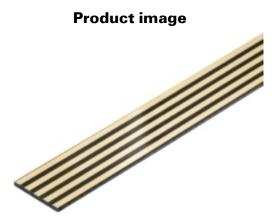


CH20M BUS 4.50/05 AU/500

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com







The integrated rail bus for the modular electronics housing system

When supplying, connecting or distributing within modular applications, the rail bus can replace the tedious individual wiring process with a flexible and uninterrupted system-wide solution.

The system bus is securely integrated within the 35-mm standard mounting rail. The SMD-bus contact block can be reflow-soldered so that it can be completely automatically processed during the component assembly. The resistant, gold-plated contact surfaces ensure a permanent and reliable contact for all housing widths.

- **Unlimited scalability** The integrated connection solution covers all system widths: from the 6-mm slice to the 67-mm large-area housing.
- Easy to service during installation It's easy to replace a module, even in existing modules groups – without any influence on the neighbouring modules.
- **Universal integration** The uninterrupted system bus is securely integrated within the 35-mm standard mounting rail.
- Maximum availability Five fully-galvanized and partially gold-plated twin-arched contacts are used to establish a permanent contact to the rail bus. THR solder flanges ensure that the connection to the circuit board is stable.

General ordering data

Version	OMNIMATE Housing - series CH20M, Length: 500 mm, Width: 21.8 mm
Order No.	<u>1248230000</u>
Туре	CH20M BUS 4.50/05 AU/500
GTIN (EAN)	4050118053227
Qty.	10 pc(s).



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Technical data

Dim	ensions	and	weights
	CHOIDHO	anu	WEIGHTS

Height	1.7 mm	Height (inches)	0.067 inch
Length	500 mm	Length (inches)	19.685 inch
Net weight	44.2 g	Width	21.8 mm
Width (inches)	0.858 inch		

Material data

Colour	black, gold	Colour chart (similar)	RAL 9011	
UL 94 flammability rating	V-0	Contact material	Au (Gold)	
Contact surface	Gold-plated			

System parameters

Coating thickness Au, min.	0.5 μm	Coating thickness Au, max.	0.8 µm	
Coating thickness Cu, min.		Current carrying capacty, max. pe	er	
	0.7 μm	circuit path	5 A	
Current carrying capacty, max. cir	cuit	Voltage AC bus rail according to I	DIN EN	
path (sum current)	25 A	60664, max.	63 V	
Voltage AC bus rail according to U	IL840,			
C22.2 no. 14.5, max.	30 V			

General data

Colour	black, gold	Colour chart (similar)	RAL 9011	
Rail	TS 35 x 7.5, TS 35 x 15,			
	via bus profil			

Material data

UL 94 flammability rating	V-O

Classifications

ETIM 6.0	EC001031	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform

Downloads

Engineering Data	STEP	
Engineering Data	<u>EPLAN</u>	