

CH20M BUS 4.50/05 AU/500

Weidmüller Interface GmbH & Co. KG
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 Germany

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Product image



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	Mounting rail bus system, Bus circuit board, OMNI-MATE Housing - series CH20M, Width: 500 mm
Order No.	1248230000
Type	CH20M BUS 4.50/05 AU/500
GTIN (EAN)	4050118053227
Qty.	10 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	1.5 mm	Depth (inches)	0.0591 inch
Height	21.8 mm	Height (inches)	0.8583 inch
Width	500 mm	Width (inches)	19.685 inch
Net weight	44.2 g		

Environmental Product Compliance

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

Material data

Colour	black	Colour chart (similar)	RAL 9011
UL 94 flammability rating	V-0	Contact material	Au (Gold)
Contact surface	Gold-plated	Operating temperature, max.	120 °C

Material data

UL 94 flammability rating	V-0	Surface finish	gold
Basic material	Plastic		

General data

Colour	black	Protection degree	IP20 in installed state
Mounting rail	TS 35 x 7.5, TS 35 x 15, via bus profil	Colour chart (similar)	RAL 9011

System parameters

Coating thickness Au, min.	0.5 µm	Coating thickness Au, max.	0.8 µm
Coating thickness Cu, min.	0.7 µm	Current carrying capacity, max. per circuit path	5 A
Current carrying capacity, max. circuit path (sum current)	25 A	Voltage AC bus rail according to DIN EN 60664, max.	63 V
Voltage AC bus rail according to UL840, 30 V C22.2 no. 14.5, max.			

Classifications

ETIM 8.0	EC001031	ETIM 9.0	EC001031
ETIM 10.0	EC001031	ECLASS 14.0	27-18-27-92
ECLASS 15.0	27-18-27-92		