

CH20M BUS 4.50/05 AU/250

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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	OMNIMATE Housing - series CH20M, Length: 250 mm, Width: 21.8 mm
Order No.	1248220000
Type	CH20M BUS 4.50/05 AU/250
GTIN (EAN)	4050118053234
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Height	1.5 mm	Height (inches)	0.059 inch
Width	21.8 mm	Width (inches)	0.858 inch
Length	250 mm	Length (inches)	9.842 inch
Net weight	23.1 g		

Material data

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

Material data

UL 94 flammability rating	V-0
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General data

Colour	black, gold	Colour chart (similar)	RAL 9011, -
Protection degree	IP20	Rail	TS 35 x 7.5, TS 35 x 15, via bus profil

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, C22.2 no. 14.5, max.	30 V		

Classifications

ETIM 6.0	EC001031	ETIM 7.0	EC001031
ETIM 8.0	EC001031	ETIM 9.0	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
ECLASS 12.0	27-18-27-92	ECLASS 13.0	27-18-27-92

Approvals

Approvals



ROHS

Conform

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Technical data

Downloads

Approval/Certificate/Document of Con-
formity

[Certification DNV GL](#)

Engineering Data

[CAD data – STEP](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

[FL ANALO.SIGN.CONV. EN](#)

[MB DEVICE MANUF. EN](#)

[FL MACHINE SAFETY EN](#)

[FL 72H SAMPLE SER EN](#)

[PO OMNIMATE EN](#)

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