

CH20M BUS 4.50/05 AU/750**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: 750 mm, Width: 21.8 mm
Order No.	1248240000
Type	CH20M BUS 4.50/05 AU/750
GTIN (EAN)	4050118053210
Qty.	5 pc(s).

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Technical data**Dimensions and weights**

Height	1.7 mm	Height (inches)	0.067 inch
Width	21.8 mm	Width (inches)	0.858 inch
Length	750 mm	Length (inches)	29.528 inch
Net weight	79.4 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		

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		

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-0
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Classifications

ETIM 6.0	EC001031	ETIM 7.0	EC001031
ETIM 8.0	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

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ROHS	Conform
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Technical data**Downloads**

Approval/Certificate/Document of Conformity	Certification DNV GL
Engineering Data	CAD data – STEP
Engineering Data	EPLAN
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 FL 72H SAMPLE SER EN PO OMNIMATE EN

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Accessories

Network-compatible current measuring transducers ACT20C



The ACT20C series was especially developed for applications with continuous processes. It enables the continuous monitoring of diagnostic, device and process information (“condition monitoring”). Several ACT20C components form a station which consists of an ACT20C Ethernet gateway, communicative ACT20C signal converters and an ACT20C bus termination terminal.

General ordering data

Type	ACT20C-LBT-10	Version
Order No.	1510340000	Bus termination terminal for ACT20C station
GTIN (EAN)	4050118319491	
Qty.	1 pc(s).	

Mouser Electronics

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