

CH20M BUS 4.50/05 AU/500**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, Width: 500 mm
Order No.	1248230000
Type	CH20M BUS 4.50/05 AU/500
GTIN (EAN)	4050118053227
Qty.	10 pc(s).

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Technical data**Dimensions and weights**

Depth	1.5 mm	Depth (inches)	0.059 inch
Height	21.8 mm	Height (inches)	0.858 inch
Width	500 mm	Width (inches)	19.685 inch
Net weight	44.2 g		

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

Material	Plastic	Surface finish	gold
UL 94 flammability rating	V-0		

General data

Colour	black	Colour chart (similar)	RAL 9011
Protection degree	IP20 in installed state	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
ETIM 10.0	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	ECLASS 14.0	27-18-27-92
ECLASS 15.0	27-18-27-92		

Environmental Product Compliance

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

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www.weidmueller.com**Technical data****Approvals**

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	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 FL 72H SAMPLE SER EN PO OMNIMATE EN

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www.weidmueller.com**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, Input : 0...40/50/60 A,
GTIN (EAN)	4050118319491	Output : Pulse
Qty.	1 pc(s).	