

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: 0 mm, Width: 250 mm
Order No.	1248220000
Type	CH20M BUS 4.50/05 AU/250
GTIN (EAN)	4050118053234
Qty.	10 pc(s).

CH20M BUS 4.50/05 AU/250**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

Depth	1.5 mm	Depth (inches)	0.059 inch
Height	21.8 mm	Height (inches)	0.858 inch
Width	250 mm	Width (inches)	9.842 inch
Length	0 mm	Net weight	23.1 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%

CH20M BUS 4.50/05 AU/250**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

CH20M BUS 4.50/05 AU/250**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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).	