

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

 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://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	Mounting rail bus system, Bus circuit board, OMNI-MATE Housing - series CH20M, Width: 250 mm
Order No.	<a href="#">1248220000</a>
Type	CH20M BUS 4.50/05 AU/250
GTIN (EAN)	4050118053234
Qty.	10 items

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Depth	1.5 mm	Depth (inches)	0.0591 inch
Height	21.8 mm	Height (inches)	0.8583 inch
Width	250 mm	Width (inches)	9.8425 inch
Length	0 mm	Net weight	23.1 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		

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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.	<a href="#">1510340000</a>	Bus termination terminal for ACT20C station, Input : 0...40/50/60 A,
GTIN (EAN)	4050118319491	Output : Pulse
Qty.	1 ST	