

**CH20M BUS-PROFIL TS 35X7.5/500**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergsstraße 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, Inlay profile, OMNI-MATE Housing - series CH20M, Width: 25.3 mm
Order No.	<a href="#">1248160000</a>
Type	CH20M BUS-PROFIL TS 35X7.5/500
GTIN (EAN)	4050118053289
Qty.	10 items

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## Technical data

## Approvals

## Approvals



ROHS Conform

## Dimensions and weights

Depth	500 mm	Depth (inches)	19.685 inch
Height	6.1 mm	Height (inches)	0.2402 inch
Width	25.3 mm	Width (inches)	0.9961 inch
Length	0 mm	Net weight	32.1 g

## Environmental Product Compliance

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

## Material data

Insulating material	PA 66	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	II
Comparative Tracking Index (CTI)	400 ≤ CTI <600	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Operating temperature, min.	-40 °C
Operating temperature, max.	120 °C		

## Material data

UL 94 flammability rating	V-0	Insulating material	PA 66
Insulating material group	II	Surface finish	untreated
Basic material	Plastic	Comparative Tracking Index (CTI)	400 ≤ CTI <600

## General data

Colour	black	Protection degree	IP20 in installed state
Mounting rail	TS 35 x 7.5	Colour chart (similar)	RAL 9011

## 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

## CH20M BUS - Bus printed circuit board



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## General ordering data

Type	CH20M BUS 4.50/05 AU/500	Version
Order No.	<a href="#">1248230000</a>	Mounting rail bus system, Bus circuit board, OMNIMATE Housing -
GTIN (EAN)	4050118053227	series CH20M, Width: 500 mm
Qty.	10 ST	

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## Accessories

## CH20M BUS-ADP - Bus insert profil cover



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## General ordering data

Type	CH20M BUS-ADP TS 35/500	Version	
Order No.	<a href="#">1248260000</a>	Mounting rail bus system, Cover profile, OMNIMATE Housing - series	
GTIN (EAN)	4050118052992	CH20M, Width: 500 mm	
Qty.	10 ST		

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## Accessories

## CH20M BUS-AP - Bus insert profil endplates



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## General ordering data

Type	CH20M BUS-AP LI TS 35X7...	Version
Order No.	<a href="#">1193160000</a>	Mounting rail bus system, End plate, OMNIMATE Housing - series
GTIN (EAN)	4032248987771	CH20M, Width: 5.1 mm
Qty.	50 ST	
Type	CH20M BUS-AP RE TS 35X7...	Version
Order No.	<a href="#">1193170000</a>	Mounting rail bus system, End plate, OMNIMATE Housing - series
GTIN (EAN)	4032248987924	CH20M, Width: 5.1 mm
Qty.	50 ST	

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## Accessories

## Bus contact block - Middle solder flange



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## General ordering data

Type	SR-SMD 4.50/05/90LFM 3....	Version
Order No.	<a href="#">1155870000</a>	PCB plug-in connector, Bus-contact block for CH20M12-67, Middle
GTIN (EAN)	4032248942510	solder flange, THT/THR solder connection, Number of poles: 5, 180°,
Qty.	78 ST	Solder pin length (l): 3.2 mm, Gold-plated, black
Type	SR-SMD 4.50/05/90LFM 3....	Version
Order No.	<a href="#">1155880000</a>	PCB plug-in connector, Bus-contact block for CH20M12-67, Middle
GTIN (EAN)	4032248942305	solder flange, THT/THR solder connection, Number of poles: 5, 180°,
Qty.	300 ST	Solder pin length (l): 3.2 mm, Gold-plated, black

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## Accessories

## Bus contact block - Solder flange



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## General ordering data

Type	SR-SMD 4.50/05/90LF 1.5...	Version
Order No.	<a href="#">1155890000</a>	PCB plug-in connector, Bus-contact block for CH20M12-67, Solder
GTIN (EAN)	4032248942527	flange, THT/THR solder connection, Number of poles: 5, 180°, Solder
Qty.	78 ST	pin length (l): 1.5 mm, Gold-plated, black
Type	SR-SMD 4.50/05/90LF 1.5...	Version
Order No.	<a href="#">1155900000</a>	PCB plug-in connector, Bus-contact block for CH20M12-67, Solder
GTIN (EAN)	4032248942381	flange, THT/THR solder connection, Number of poles: 5, 180°, Solder
Qty.	300 ST	pin length (l): 1.5 mm, Gold-plated, black