

## CH20M BUS-PROFIL TS 35X15/250

Weidmüller Interface GmbH &amp; 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: 250 mm, Width: 25.1 mm
Order No.	<a href="#">1248180000</a>
Type	CH20M BUS-PROFIL TS 35X15/250
GTIN (EAN)	4050118053265
Qty.	5 pc(s).

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## Technical data

## Dimensions and weights

Height	13.4 mm	Height (inches)	0.528 inch
Width	25.1 mm	Width (inches)	0.988 inch
Length	250 mm	Length (inches)	9.842 inch
Net weight	39.2 g		

## Material data

Insulating material	PA 66	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	II
Comparative Tracking Index (CTI)	400 ≤ CTI <600	UL 94 flammability rating	V-0

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## General data

Colour	black	Colour chart (similar)	RAL 9011
Rail	TS 35 x 15		

## Classifications

ETIM 6.0	EC001031	ETIM 7.0	EC001031
ETIM 8.0	EC001031	ETIM 9.0	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

## Approvals

Approvals



ROHS Conform

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Certification DNV GL</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL ANALO.SIGN.CONV. EN</a> <a href="#">MB DEVICE MANUF. EN</a> <a href="#">FL MACHINE SAFETY EN</a> <a href="#">FL 72H SAMPLE SER EN</a> <a href="#">PO OMNIMATE EN</a> <a href="#">FL 72H SAMPLE SER EN</a> <a href="#">PO OMNIMATE EN</a>

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## Accessories

## CH20M BUS-AP - Bus insert profil endplates



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## General ordering data

Type	CH20M BUS-AP RE TS 35X7 ...	Version
Order No.	<a href="#">1193170000</a>	OMNIMATE Housing - series CH20M, Length: 40.5 mm, Width: 5.1
GTIN (EAN)	4032248987924	mm
Qty.	50 pc(s).	
Type	CH20M BUS-AP LI TS 35X7 ...	Version
Order No.	<a href="#">1193160000</a>	OMNIMATE Housing - series CH20M, Length: 40.5 mm, Width: 5.1
GTIN (EAN)	4032248987771	mm
Qty.	50 pc(s).	

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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	Product data	Packaging
Order No.	<a href="#">1155900000</a>	PCB plug-in connector, Bus-contact block for CH20M12-67, Solder	IEC: 160 V	Tape
GTIN (EAN)	4032248942381	flange, THT/THR solder connection, Number of poles: 5, 180°, Solder	UL: 300 V / 5 A	
Qty.	300 pc(s).	pin length (l): 1.5 mm, Gold-plated, black		
Type	SR-SMD 4.50/05/90LF 1.5 ...	Version	Product data	Packaging
Order No.	<a href="#">1155890000</a>	PCB plug-in connector, Bus-contact block for CH20M12-67, Solder	UL: 300 V / 5 A	Box
GTIN (EAN)	4032248942527	flange, THT/THR solder connection, Number of poles: 5, 180°, Solder		
Qty.	78 pc(s).	pin length (l): 1.5 mm, Gold-plated, black		

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## Accessories

## CH20M BUS-ADP - Bus insert profil cover

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**General ordering data**

Type	CH20M BUS-ADP TS 35/250	Version
Order No.	<a href="#">1248250000</a>	OMNIMATE Housing - series CH20M, Length: 250 mm, Width: 39.5
GTIN (EAN)	4050118053203	mm
Qty.	10 pc(s).	

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## Accessories

## Bus contact block - Middle solder flange



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Type	SR-SMD 4.50/05/90LFM 3. ...	Version	Product data	Packaging
Order No.	<a href="#">1155880000</a>	PCB plug-in connector, Bus-contact block for CH20M12-67, Middle	IEC: 160 V	Tape
GTIN (EAN)	4032248942305	solder flange, THT/THR solder connection, Number of poles: 5, 180°	UL: 300 V / 5 A	
Qty.	300 pc(s).	Solder pin length (l): 3.2 mm, Gold-plated, black		
Type	SR-SMD 4.50/05/90LFM 3. ...	Version	Product data	Packaging
Order No.	<a href="#">1155870000</a>	PCB plug-in connector, Bus-contact block for CH20M12-67, Middle	UL: 300 V / 5 A	Box
GTIN (EAN)	4032248942510	solder flange, THT/THR solder connection, Number of poles: 5, 180°		
Qty.	78 pc(s).	Solder pin length (l): 3.2 mm, Gold-plated, black		

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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/250	Version
Order No.	<a href="#">1248220000</a>	OMNIMATE Housing - series CH20M, Length: 250 mm, Width: 21.8
GTIN (EAN)	4050118053234	mm
Qty.	10 pc(s).	