

CH20M BUS-PROFIL TS 35X7.5/500**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, Length: 0 mm, Width: 25.3 mm
Order No.	1248160000
Type	CH20M BUS-PROFIL TS 35X7.5/500
GTIN (EAN)	4050118053289
Qty.	10 pc(s).

CH20M BUS-PROFIL TS 35X7.5/500

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Technical data

Dimensions and weights

Depth	500 mm	Depth (inches)	19.685 inch
Height	6.1 mm	Height (inches)	0.24 inch
Width	25.3 mm	Width (inches)	0.996 inch
Length	0 mm	Net weight	32.1 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
Operating temperature, min.	-40 °C	Operating temperature, max.	120 °C

Material data

Comparative Tracking Index (CTI)	400 ≤ CTI <600	Insulating material	PA 66
Insulating material group	II	Material	Plastic
Surface finish	untreated	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

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%

Approvals

Approvals



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

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Technical data

Downloads

Approval/Certificate/Document of Con-
formity

[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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Accessories

CH20M BUS-AP - Bus insert profil endplates



The integrated rail bus for the modular electronics housing system

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General ordering data

Type	CH20M BUS-AP RE TS 35X7 ...	Version
Order No.	1193170000	OMNIMATE Housing - series CH20M, Length: 0 mm, Width: 5.1 mm
GTIN (EAN)	4032248987924	
Qty.	50 pc(s).	
Type	CH20M BUS-AP LI TS 35X7 ...	Version
Order No.	1193160000	OMNIMATE Housing - series CH20M, Length: 0 mm, Width: 5.1 mm
GTIN (EAN)	4032248987771	
Qty.	50 pc(s).	

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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	Product data	Packaging
Order No.	1155870000	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		
Type	SR-SMD 4.50/05/90LFM 3. ...	Version	Product data	Packaging
Order No.	1155880000	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		

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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.	1155900000	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.	1155890000	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 - Bus printed circuit board

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General ordering data

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

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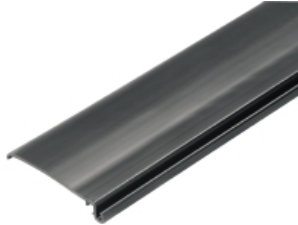
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Accessories

CH20M BUS-ADP - Bus insert profil cover

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General ordering data

Type	CH20M BUS-ADP TS 35/500	Version
Order No.	1248260000	OMNIMATE Housing - series CH20M, Length: 0 mm, Width: 500 mm
GTIN (EAN)	4050118052992	
Qty.	10 pc(s).	