Weidmüller ⊒Ξ

CH20M BUS-PROFIL TS 35X15/250

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.	1248180000
Type	CH20M BUS-PROFIL TS 35X15/250
GTIN (EAN)	4050118053265
Qty.	5 pc(s).

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CH20M BUS-PROFIL TS 35X15/250

Technical data

Dimensions and weights

Depth	250 mm	Depth (inches)	9.842 inch
Height	13.3 mm	Height (inches)	0.524 inch
Width	25.3 mm	Width (inches)	0.996 inch
Length	0 mm	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
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 15

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		

Approvals

Approvals

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

Environmental Product Compliance

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

CH20M BUS-PROFIL TS 35X15/250

Technical data

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-PROFIL TS 35X15/250

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 flange, THT/THR solder connection, Number of poles: 5, 180°, Solder pin length (l): 1.5 mm, Gold-plated, black		IEC: 160 V	Tape
GTIN (EAN)	4032248942381			UL: 300 V / 5 A	
Qty.	300 pc(s).				
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 flange, THT/THR solder connection, Number of poles: 5, 180°, Solder pin length (l): 1.5 mm, Gold-plated, black		UL: 300 V / 5 A	Box
GTIN (EAN)	4032248942527				
Qty.	78 pc(s).				

CH20M BUS-PROFIL TS 35X15/250

Accessories

CH20M BUS - Bus printed circuit board

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General ordering data

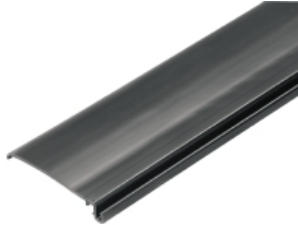| Type	CH20M BUS 4.50/05 AU/250	Version
Order No.	1248220000	Mounting rail bus system, Bus circuit board, OMNIMATE Housing -
GTIN (EAN)	4050118053234	series CH20M, Width: 250 mm
Qty.	10 pc(s).	

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CH20M BUS-PROFIL TS 35X15/250

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.	1248250000	Mounting rail bus system, Cover profile, OMNIMATE Housing - series
GTIN (EAN)	4050118053203	CH20M, Width: 250 mm
Qty.	10 pc(s).	

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Catalogue status 21.06.2025 / We reserve the right to make technical changes.

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CH20M BUS-PROFIL TS 35X15/250

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.	1193160000	Mounting rail bus system, End plate, OMNIMATE Housing - series
GTIN (EAN)	4032248987771	CH20M, Width: 5.1 mm
Qty.	50 pc(s).	
Type	CH20M BUS-AP RE TS 35X7 ...	Version
Order No.	1193170000	Mounting rail bus system, End plate, OMNIMATE Housing - series
GTIN (EAN)	4032248987924	CH20M, Width: 5.1 mm
Qty.	50 pc(s).	

CH20M BUS-PROFIL TS 35X15/250

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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