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CH20M BUS-AP LI TS 35X7.5 & 15

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: 40.5 mm, Width: 5.1 mm
Order No.	1193160000
Type	CH20M BUS-AP LI TS 35X7.5 & 15
GTIN (EAN)	4032248987771
Qty.	50 pc(s).

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CH20M BUS-AP LI TS 35X7.5 & 15

Technical data

Dimensions and weights

Height	9.1 mm	Height (inches)	0.358 inch
Width	5.1 mm	Width (inches)	0.201 inch
Length	40.5 mm	Length (inches)	1.594 inch
Net weight	0.67 g		

Material data

Insulating material	Polycarbonate	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	IIIa
Comparative Tracking Index (CTI)	175 ≤ CTI <400	UL 94 flammability rating	V-0

Material data

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Insulating material group	IIIa	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, TS 35 x 7.5

Classifications

ETIM 7.0	EC001031	ETIM 8.0	EC001031
ETIM 9.0	EC001031	ECLASS 11.0	27-18-27-92
ECLASS 12.0	27-18-27-92	ECLASS 13.0	27-19-06-05

Environmental Product Compliance

REACH SVHC	/

Approvals

Approvals	
ROHS	Conform

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
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CH20M BUS-AP LI TS 35X7.5 & 15

Accessories

Bus insert profil - TS35x15

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General ordering data

Type	CH20M BUS-PROFIL TS 35X ...	Version
Order No.	1248180000	OMNIMATE Housing - series CH20M, Length: 250 mm, Width: 25.1
GTIN (EAN)	4050118053265	mm
Qty.	5 pc(s).	

Type	CH20M BUS-PROFIL TS 35X ...	Version
Order No.	1248190000	OMNIMATE Housing - series CH20M, Length: 500 mm, Width: 25.1
GTIN (EAN)	4050118053258	mm
Qty.	5 pc(s).	

Type	CH20M BUS-PROFIL TS 35X ...	Version
Order No.	1248210000	OMNIMATE Housing - series CH20M, Length: 750 mm, Width: 25.1
GTIN (EAN)	4050118053241	mm
Qty.	5 pc(s).	

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CH20M BUS-AP LI TS 35X7.5 & 15

Accessories

CH20M BUS-ADP - Bus insert profil cover

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General ordering data

Type	CH20M BUS-ADP TS 35/750	Version
Order No.	1248270000	OMNIMATE Housing - series CH20M, Length: 750 mm, Width: 39.5
GTIN (EAN)	4050118052985	mm
Qty.	5 pc(s).	
Type	CH20M BUS-ADP TS 35/250	Version
Order No.	1248250000	OMNIMATE Housing - series CH20M, Length: 250 mm, Width: 39.5
GTIN (EAN)	4050118053203	mm
Qty.	10 pc(s).	
Type	CH20M BUS-ADP TS 35/500	Version
Order No.	1248260000	OMNIMATE Housing - series CH20M, Length: 500 mm, Width: 39.5
GTIN (EAN)	4050118052992	mm
Qty.	10 pc(s).	

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CH20M BUS-AP LI TS 35X7.5 & 15

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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CH20M BUS-AP LI TS 35X7.5 & 15

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			

CH20M BUS-AP LI TS 35X7.5 & 15

Accessories

Bus insert profil - TS35x7.5

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General ordering data

Type	CH20M BUS-PROFIL TS 35X ...	Version	
Order No.	1248160000	OMNIMATE Housing - series CH20M, Length: 500 mm, Width: 25.1 mm	
GTIN (EAN)	4050118053289		
Qty.	10 pc(s).		
Type	CH20M BUS-PROFIL TS 35X ...	Version	
Order No.	1248170000	OMNIMATE Housing - series CH20M, Length: 750 mm, Width: 25.1 mm	
GTIN (EAN)	4050118053272		
Qty.	5 pc(s).		
Type	CH20M BUS-PROFIL TS 35X ...	Version	
Order No.	1248150000	OMNIMATE Housing - series CH20M, Length: 250 mm, Width: 25.1 mm	
GTIN (EAN)	4050118053296		
Qty.	10 pc(s).		

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CH20M BUS-AP LI TS 35X7.5 & 15

Accessories

CH20M BUS - Bus printed circuit board

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General ordering data

Type	CH20M BUS 4.50/05 AU/750	Version
Order No.	1248240000	OMNIMATE Housing - series CH20M, Width: 21.8 mm
GTIN (EAN)	4050118053210	
Qty.	5 pc(s).	

Type	CH20M BUS 4.50/05 AU/500	Version
Order No.	1248230000	OMNIMATE Housing - series CH20M, Width: 21.8 mm
GTIN (EAN)	4050118053227	
Qty.	10 pc(s).	

Type	CH20M BUS 4.50/05 AU/250	Version
Order No.	1248220000	OMNIMATE Housing - series CH20M, Length: 250 mm, Width: 21.8
GTIN (EAN)	4050118053234	mm
Qty.	10 pc(s).	

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