

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

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: 40.5 mm, Width: 5.1 mm |
| Order No. | 1193170000 |
| Type | CH20M BUS-AP RE TS 35X7.5 & 15 |
| GTIN (EAN) | 4032248987924 |
| Qty. | 50 pc(s). |

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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

| | | | |
|----------------------------------|----------------|---------------------------|---------------|
| Comparative Tracking Index (CTI) | 175 ≤ CTI <400 | Insulating material | Polycarbonate |
| Insulating material group | IIIa | UL 94 flammability rating | V-0 |

General data

| | | | |
|--------|-------------------------|------------------------|----------|
| Colour | black | Colour chart (similar) | RAL 9011 |
| 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 |

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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Accessories

Bus contact block - Solder flange

**The integrated rail bus for the modular electronics housing system**

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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

| 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

Bus insert profil - TS35x7.5

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General ordering data

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

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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/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 mm |
| GTIN (EAN) | 4050118053234 | mm |
| Qty. | 10 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. | 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 | | |
| 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 | | |

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Accessories

Bus insert profil - TS35x15

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General ordering data

| | | |
|------------|-----------------------------|--|
| 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. | 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. | 1248210000 | OMNIMATE Housing - series CH20M, Length: 750 mm, Width: 25.1 |
| GTIN (EAN) | 4050118053241 | mm |
| Qty. | 5 pc(s). | |

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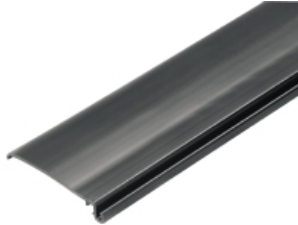
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CH20M BUS-ADP - Bus insert profil cover

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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). | |