

CH20M BUS-ADP TS 35/250

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 | Mounting rail bus system, Cover profile, OMNI-MATE Housing - series CH20M, Width: 250 mm |
| Order No. | 1248250000 |
| Type | CH20M BUS-ADP TS 35/250 |
| GTIN (EAN) | 4050118053203 |
| Qty. | 10 items |

CH20M BUS-ADP TS 35/250

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Technical data

Approvals

| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Dimensions and weights

| | | | |
|--------|---------|-----------------|-------------|
| Depth | 7 mm | Depth (inches) | 0.2756 inch |
| Height | 39.5 mm | Height (inches) | 1.5551 inch |
| Width | 250 mm | Width (inches) | 9.8425 inch |
| Length | 0 mm | Net weight | 18.6 g |

Environmental Product Compliance

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

Material data

| | | | |
|----------------------------------|-----------|-----------------------------|--------|
| Insulating material | PA 6 | Colour | black |
| Colour chart (similar) | RAL 9011 | Insulating material group | IIIa |
| Comparative Tracking Index (CTI) | 600 ≤ CTI | Moisture Level (MSL) | |
| UL 94 flammability rating | V-0 | Operating temperature, max. | 120 °C |

Material data

| | | | |
|---------------------------|---------|----------------------------------|-----------|
| UL 94 flammability rating | V-0 | Insulating material | PA 6 |
| Insulating material group | IIIa | Surface finish | untreated |
| Basic material | Plastic | Comparative Tracking Index (CTI) | 600 ≤ CTI |

General data

| | | | |
|---------------|-------------------------|------------------------|-------------------------|
| Colour | black | Protection degree | IP20 in installed state |
| Mounting rail | TS 35 x 7.5, TS 35 x 15 | Colour chart (similar) | RAL 9011 |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001031 | ETIM 9.0 | EC001031 |
| ETIM 10.0 | EC001031 | ECLASS 14.0 | 27-18-27-92 |
| ECLASS 15.0 | 27-18-27-92 | | |

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Accessories

CH20M BUS - Bus printed circuit board



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- **Unlimited scalability** The integrated connection solution covers all system widths: from the 6-mm slice to the 67-mm large-area housing.
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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 ST | |

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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. | 1248180000 | Mounting rail bus system, Inlay profile, OMNIMATE Housing - series |
| GTIN (EAN) | 4050118053265 | CH20M, Width: 25.3 mm |
| Qty. | 5 ST | |

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Accessories

Bus insert profil - TS35x7.5



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| | | |
|------------|----------------------------|--|
| Type | CH20M BUS-PROFIL TS 35X... | Version |
| Order No. | 1248150000 | Mounting rail bus system, Inlay profile, OMNIMATE Housing - series |
| GTIN (EAN) | 4050118053296 | CH20M, Width: 250 mm |
| Qty. | 10 ST | |

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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 ST | |
| 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 ST | |

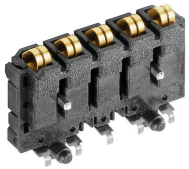
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Bus contact block - Middle solder flange



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General ordering data

| | | |
|------------|----------------------------|---|
| Type | SR-SMD 4.50/05/90LFM 3... | Version |
| Order No. | 1155870000 | PCB plug-in connector, Bus-contact block for CH20M12-67, Middle |
| GTIN (EAN) | 4032248942510 | solder flange, THT/THR solder connection, Number of poles: 5, 180°, |
| Qty. | 78 ST | Solder pin length (l): 3.2 mm, Gold-plated, black |
| Type | SR-SMD 4.50/05/90LFM 3... | Version |
| Order No. | 1155880000 | PCB plug-in connector, Bus-contact block for CH20M12-67, Middle |
| GTIN (EAN) | 4032248942305 | solder flange, THT/THR solder connection, Number of poles: 5, 180°, |
| Qty. | 300 ST | Solder pin length (l): 3.2 mm, Gold-plated, black |

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Bus contact block - Solder flange



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| | | |
|------------|----------------------------|---|
| Type | SR-SMD 4.50/05/90LF 1.5... | Version |
| Order No. | 1155890000 | PCB plug-in connector, Bus-contact block for CH20M12-67, Solder |
| GTIN (EAN) | 4032248942527 | flange, THT/THR solder connection, Number of poles: 5, 180°, Solder |
| Qty. | 78 ST | pin length (l): 1.5 mm, Gold-plated, black |
| Type | SR-SMD 4.50/05/90LF 1.5... | Version |
| Order No. | 1155900000 | PCB plug-in connector, Bus-contact block for CH20M12-67, Solder |
| GTIN (EAN) | 4032248942381 | flange, THT/THR solder connection, Number of poles: 5, 180°, Solder |
| Qty. | 300 ST | pin length (l): 1.5 mm, Gold-plated, black |