

## CH20M BUS-PROFIL TS 35X15/250

Weidmüller Interface GmbH &amp; 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.  | <a href="#">1248180000</a>                                    |
| Type       | CH20M BUS-PROFIL TS 35X15/250                                 |
| GTIN (EAN) | 4050118053265                                                 |
| Qty.       | 5 pc(s).                                                      |

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## 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 |             |             |

## Environmental Product Compliance

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

## Approvals

Approvals



|                 |                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                     |

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Downloads**Approval/Certificate/Document of Con-  
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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.
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## General ordering data

| Type       | SR-SMD 4.50/05/90LF 1.5 ... | Version                                                             | Product data    | Packaging |
|------------|-----------------------------|---------------------------------------------------------------------|-----------------|-----------|
| Order No.  | <a href="#">1155900000</a>  | 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.  | <a href="#">1155890000</a>  | 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 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.  | <a href="#">1155880000</a>  | 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.  | <a href="#">1155870000</a>  | 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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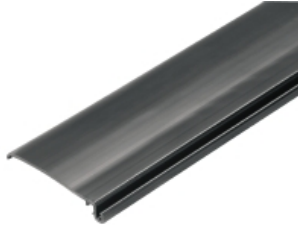
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## Accessories

## CH20M BUS-ADP - Bus insert profil cover

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## General ordering data

|            |                            |                                                              |
|------------|----------------------------|--------------------------------------------------------------|
| Type       | CH20M BUS-ADP TS 35/250    | Version                                                      |
| Order No.  | <a href="#">1248250000</a> | OMNIMATE Housing - series CH20M, Length: 0 mm, Width: 250 mm |
| GTIN (EAN) | 4050118053203              |                                                              |
| Qty.       | 10 pc(s).                  |                                                              |

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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.  | <a href="#">1193160000</a>  | OMNIMATE Housing - series CH20M, Length: 0 mm, Width: 5.1 mm |
| GTIN (EAN) | 4032248987771               |                                                              |
| Qty.       | 50 pc(s).                   |                                                              |
| Type       | CH20M BUS-AP RE TS 35X7 ... | Version                                                      |
| Order No.  | <a href="#">1193170000</a>  | OMNIMATE Housing - series CH20M, Length: 0 mm, Width: 5.1 mm |
| GTIN (EAN) | 4032248987924               |                                                              |
| Qty.       | 50 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/250   | Version                                                      |
| Order No.  | <a href="#">1248220000</a> | OMNIMATE Housing - series CH20M, Length: 0 mm, Width: 250 mm |
| GTIN (EAN) | 4050118053234              |                                                              |
| Qty.       | 10 pc(s).                  |                                                              |