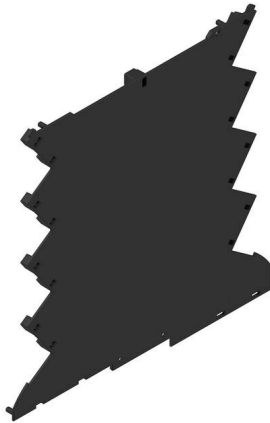


CH20M6 BC 4P-4P BUS BK 1 1261494

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product image



The world of electronics in a disk

With a width of just 6.1 mm, the electronics developer's expertise creates compact application worlds. Specially developed for a PCB, the modular housing concept offers ideal conditions for small electronic components and the use of PCB terminals.

Maximum design freedom thanks to a generous net area of 6800 mm² on the PCB enables optimum assembly with space-saving geometries of the reflow-capable THR PCB terminal blocks. Error-free assembly and soldering processes are supported by optimized frame geometries and support geometries. In addition, customizable design options such as labeling, color selection and variable printable swivel covers ensure flexibility. Thanks to reflow-compatible connection elements and machine-compatible packaging, maximum efficiency in processing is guaranteed - for time-saving and precise installation.

General ordering data

| | |
|------------|--|
| Version | Flange-mounted housing, OMNIMATE Housing - series CH20M black, Housing side panel, Recess in detent foot area for BUS contact, Width: 5.3 mm |
| Order No. | 2771130000 |
| Type | CH20M6 BC 4P-4P BUS BK 1 1261494 |
| GTIN (EAN) | 4064675031864 |
| Qty. | 50 items |

Technical data

Approvals

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

Dimensions and weights

| | | | |
|------------|----------|-----------------|-------------|
| Depth | 106.5 mm | Depth (inches) | 4.1929 inch |
| Height | 107 mm | Height (inches) | 4.2126 inch |
| Width | 5.3 mm | Width (inches) | 0.2087 inch |
| Net weight | 12.69 g | | |

Environmental Product Compliance

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

Material data

| | | | |
|---------------------------|---------|----------------------------------|----------------|
| UL 94 flammability rating | V-0 | Insulating material | PBT |
| Insulating material group | II | Surface finish | untreated |
| Basic material | Plastic | Comparative Tracking Index (CTI) | 400 ≤ CTI <600 |

General data

| | | | |
|------------------------|----------|----------------------|-------------------------|
| Colour | black | Protection degree | IP20 in installed state |
| Colour chart (similar) | RAL 9011 | Encapsulation option | No |

Individualization options

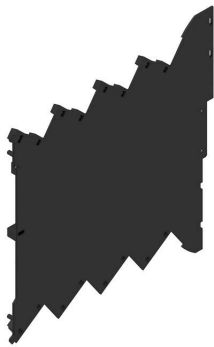
| | | | |
|------------------------------------|-------------------------------|--------------------------------------|-----------------|
| Customer specific cutouts possible | Yes | Customer specific labelling possible | Yes |
| Customer specific order process | See guideline under downloads | Alternative colours | More on request |

Classifications

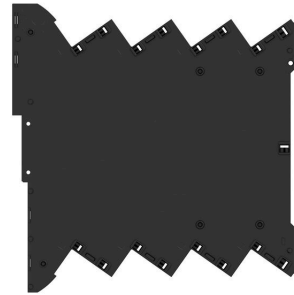
| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001031 | ETIM 9.0 | EC001031 |
| ETIM 10.0 | EC001031 | ECLASS 14.0 | 27-19-06-02 |
| ECLASS 15.0 | 27-19-06-02 | | |

Drawings

Product image



Product image

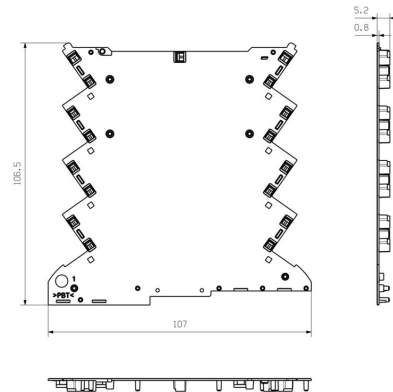


Product benefits



Base element including BUS cut-out

Dimensioned drawing



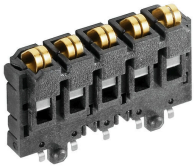
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Accessories

SR-SMD - Bus contact block CH20M6



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

| | | |
|------------|----------------------------|---|
| Type | SR-SMD 4.50/05/90 AU BK... | Version |
| Order No. | 1155840000 | PCB plug-in connector, Bus-contact block for CH20M6, THT/THR |
| GTIN (EAN) | 4032248942534 | solder connection, Number of poles: 5, 180°, Gold-plated, black |
| Qty. | 78 ST | |
| Type | SR-SMD 4.50/05/90 AU BK... | Version |
| Order No. | 1155850000 | PCB plug-in connector, Bus-contact block for CH20M6, THT/THR |
| GTIN (EAN) | 4032248942374 | solder connection, Number of poles: 5, 180°, Gold-plated, black |
| Qty. | 300 ST | |