

CH20M6 BC 4P-4P BUS TGY 1 1293806**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 Traffic grey (RAL), Housing side panel, Recess in detent foot area for BUS contact, Width: 5.3 mm
Order No.	2771170000
Type	CH20M6 BC 4P-4P BUS TGY 1 1293806
GTIN (EAN)	4064675031901
Qty.	50 pc(s).

CH20M6 BC 4P-4P BUS TGY 1 1293806

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	106.5 mm	Depth (inches)	4.193 inch
Height	107 mm	Height (inches)	4.213 inch
Width	5.3 mm	Width (inches)	0.209 inch
Net weight	2.24 g		

Material data

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

General data

Colour	Traffic grey (RAL)	Colour chart (similar)	RAL 7042
Encapsulation option	No	Protection degree	IP20 in installed state

Individualization options

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

Classifications

ETIM 7.0	EC001031	ETIM 8.0	EC001031
ETIM 9.0	EC001031	ETIM 10.0	EC001031
ECLASS 11.0	27-18-27-92	ECLASS 12.0	27-18-27-92
ECLASS 13.0	27-19-06-02	ECLASS 14.0	27-19-06-02
ECLASS 15.0	27-19-06-02		

Environmental Product Compliance

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

Approvals

ROHS	Conform
------	---------

Downloads

Engineering Data	CAD data – PCB Reference Layout CAD data – STEP
Catalogues	Catalogues in PDF-format

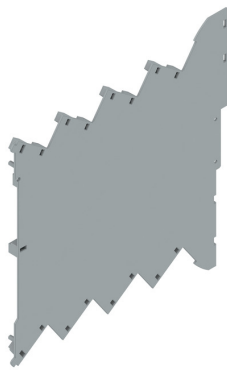
CH20M6 BC 4P-4P BUS TGY 1 1293806

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

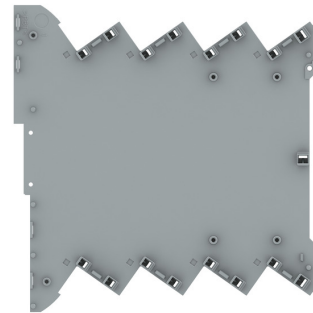
www.weidmueller.com

Drawings

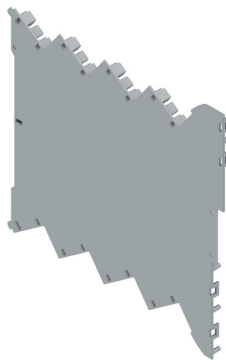
Product image



Product image

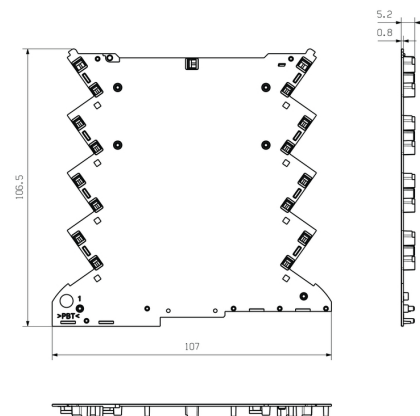


Product benefits



Base element including BUS cut-out

Dimensioned drawing



CH20M6 BC 4P-4P BUS TGY 1 1293806

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

www.weidmueller.com

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	Product data	Packaging
Order No.	1155850000	PCB plug-in connector, Bus-contact block for CH20M6, THT/THR	IEC: 160 V	Tape
GTIN (EAN)	4032248942374	solder connection, Number of poles: 5, 180°, Gold-plated, black	UL: 300 V / 5 A	
Qty.	300 pc(s).			
Type	SR-SMD 4.50/05/90 AU BK ...	Version	Product data	Packaging
Order No.	1155840000	PCB plug-in connector, Bus-contact block for CH20M6, THT/THR	IEC: 160 V	Box
GTIN (EAN)	4032248942534	solder connection, Number of poles: 5, 180°, Gold-plated, black	UL: 300 V / 5 A	
Qty.	78 pc(s).			