

IE-SW-BLB-05-5GT-C**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Features of BasicLine Series B Switches**

- Support real time communication e.g. in PROFINET networks due to the "Quality of Service" and "LLDP frame blocking" functionality – "PROFINET Conformance Class A"
- Large number of certifications to fit any requirements of mechanical and EMC influences, ideal for application areas such as offshore, process or mining
- Optimized DIN-rail clip as well as Push-In Connectors for fast and easy installation
- Covers the most common port combinations with RJ45 and SFP ports for flexible usage
- AC/DC power supply input
- Network availability is strongly increased thanks to Broadcast Storm Protection
- Energy Efficient Ethernet and plastic- free packaging

General ordering data

Version	Network switch, unmanaged, Gigabit Ethernet, Number of ports: 5x RJ45, IP30, -40 °C...75 °C, Conformal coating
Order No.	2908100000
Type	IE-SW-BLB-05-5GT-C
GTIN (EAN)	4099986848153
Qty.	1 pc(s).
Replacement parts	1013450000

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Technical data

Dimensions and weights

Depth	70 mm	Depth (inches)	2.756 inch
Height	114 mm	Height (inches)	4.488 inch
Width	26 mm	Width (inches)	1.024 inch
Net weight	272 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...75 °C
Humidity	5 to 95 % (non-condensing)		

EMC conformity and approvals

EMC standards	EN IEC 61000-6-2, EN IEC 61000-6-4, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m, IEC 61000-4-3 RS: 1.4 GHz to 6 GHz: 3 V/m, IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 Vrms, IEC 61000-4-8 PFMF: 30 A/m	Explosive risk zone	EN IEC 60079-0, EN IEC 60079-7, UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex ec IIC T4 Gc
Free fall	According to IEC 60068-2-31	Safety standard	UL 61010-1, UL 61010-2-201
Shock	according to IEC 60068-2-27	Vibration	according to IEC 60068-2-6

Environmental conditions

Humidity	5 to 95 % (non-condensing)		
Operating altitude	Altitude, max.	2,000 m	
Operating temperature, max.	75 °C		
Operating temperature, min.	-40 °C		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		

Guarantee

Time interval	5 years
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Interfaces

Function DIP switch	QoS (on/off), Broadcast storm protection enable/disable, MAC frame filtering (on/off), Activate/deactivate IEEE 802.3az energy-efficient Ethernet	LED indicator	Power LED: PWR1, PWR2, Port LED: LNK/ACT, 10/100/1000M (RJ45 port)
Number of ports	5x RJ45	RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	1,404,396 h
	Input voltage	24 V

Management features

Network traffic filter	Quality of Service (QoS), MAC frame filtering (LLDP frame blocking)	Industrial protocol support	PROFINET device acc. to conformance class A
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Power supply

Connection type	1 removable 4-pin terminal block	
Current consumption	0.1 A	
Current consumption	Voltage	24 V
	Current	0.1 A
	Voltage type	DC
Overload current protection	Yes	
Reverse polarity protection	Yes	
Voltage supply	12/24/48 V DC, 24 V AC, 2 redundant inputs	
Voltage supply range	Voltage type	DC
	Voltage, min.	9 V
	Voltage, max.	60 V
	Voltage type	AC
	Voltage, min.	18 V
	Voltage, max.	30 V

Switch characteristics

Bandwidth backplane	10 Gbit/s	Jumbo frame support	up to 9 KB
MAC table size	2 K	Packet buffer size	1 Mbit

Technical data

Housing main material	Metal	Protection degree	IP30
Speed	Gigabit Ethernet	Surface protection PCB	Conformal coating
Switch	unmanaged	Type of mounting	DIN rail

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Technical data

Technology

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control
Standard	IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX, IEEE 802.3ab for 1000BASE-T, IEEE 802.3x for flow control, IEEE 802.3az Energy-Efficient Ethernet, IEEE 802.1p for Class of Service / Quality of Service (CoS/QoS)		

Classifications

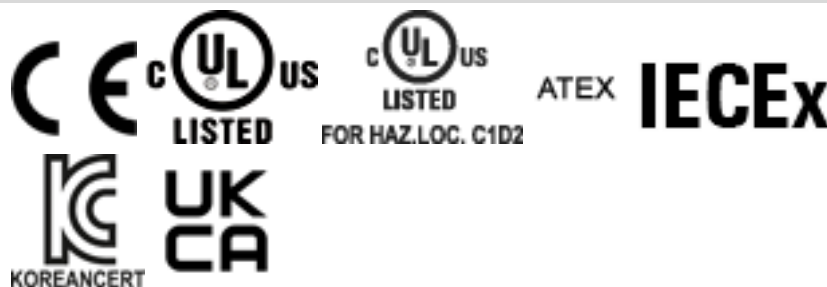
ETIM 6.0	EC000734	ETIM 7.0	EC000734
ETIM 8.0	EC000734	ETIM 9.0	EC000734
ECLASS 9.0	19-17-01-06	ECLASS 9.1	19-17-01-06
ECLASS 10.0	19-17-04-02	ECLASS 11.0	19-17-04-02
ECLASS 12.0	19-17-04-02	ECLASS 13.0	19-17-04-02
ECLASS 14.0	19-17-04-02		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197
Certificate no. (cULusEX)	E223527

Downloads

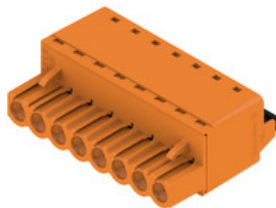
Approval/Certificate/Document of Conformity	KC certificate IECEx certificate ATEX certificate EU Declaration of Conformity RCM Declaration of Conformity UK Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Quick start guide – Hardware Installation Guide
Catalogues	Catalogues in PDF-format

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www.weidmueller.com**Replacement parts****BLF 5.08HC/180 SN**

Just as reliable as the millionfold proven original and featuring innovative details:

The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.

In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Type	BLF 5.08HC/04/180 SN BK ...	Version	Product data	Packaging
Order No.	1013450000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 4,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248721603	180°, PUSH IN with actuator, Clamping range, max.: 3.31 mm ² , Box	UL: 300 V / 18.5 A / AWG 26 - AWG	
Qty.	90 pc(s).		12	

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www.weidmueller.com**Accessories****Mounting kit for 19" rack assembly**

- For assembling DIN rail-based devices on 19" racks

**General ordering data**

Type	RM-KIT	Version
Order No.	1241440000	Kit for 19"-rack mounting
GTIN (EAN)	4050118029154	
Qty.	1 pc(s).	