

## IE-SW-BLB-08-8POE

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



Features of BasicLine series B Power-over-Ethernet unmanaged switches

- Variants with 4 or 8 IEEE 802.3af/at/bt compliant PoE ports (up to 60 watt power output per PoE port) up to 144 watt total power budget
- Integrated DC/DC converter for providing PoE voltage to PDs over the entire PSE input voltage range from 12 to 57 V DC
- Models supporting Gigabit Ethernet including Jumbo Frame support for applications with high demand on bandwidth and latency
- Optimized DIN-rail clip as well as PUSH IN Connectors for fast and easy installation
- Suitable for use in any environment thanks to a large number of certifications
- Reliable operation due to redundant voltage inputs, fault relay and LED diagnostics

### General ordering data

Version	Network switch, unmanaged PoE, Fast Ethernet, Number of ports: 8x RJ45 PoE++, IP30, -40 °C...75 °C
Order No.	<a href="#">2908220000</a>
Type	IE-SW-BLB-08-8POE
GTIN (EAN)	4099986848191
Qty.	1 items

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## Technical data

### Approvals

Approvals



ROHS Conform

### Dimensions and weights

Depth	95 mm	Depth (inches)	3.7401 inch
Height	144 mm	Height (inches)	5.6693 inch
Width	44 mm	Width (inches)	1.7323 inch
Net weight	674 g		

### Temperatures

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

### EMC conformity and approvals

Free fall	According to IEC 60068-2-31	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
Vibration	according to IEC 60068-2-6	Shock	according to IEC 60068-2-27
Safety standard	UL 61010-1, UL 61010-2-201		

### Environmental conditions

Operating temperature, max.	75 °C		
Operating temperature, min.	-40 °C		
Humidity	5 to 95 % (non-condensing)		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		
Operating altitude	Altitude, max.	2000 m	
	Note	in acc. with UL	

### Guarantee

Time interval 5 years

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### Interfaces

RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port	Function DIP switch	QoS (on/off), Broadcast storm protection enable/disable, MAC frame filtering (on/off), Activate/deactivate IEEE 802.3az energy-efficient Ethernet, 2x for enabling/disabling power fault alarm via relay
Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC	Signalling contact	1 relay output with a current capacity of 1 A at 24 V DC
Number of ports	8x RJ45 PoE++	LED indicator	Power LED: PWR1, PWR2, Port LED: LNK/ACT, 10/100M (RJ45 port)

### MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	626652 h
	Ambient temperature	25 °C

### Management features

Network traffic filter	Quality of Service (QoS), Class of Service (CoS), Type of Service (ToS), Differentiated Services Code Point (DSCP), MAC frame filtering (LLDP frame blocking)	Industrial protocol support	PROFINET device acc. to conformance class A
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### Power over Ethernet (PoE)

PoE output power	Standard	IEEE 802.3af
	Output power	15.4 W
	Standard	IEEE 802.3at
	Output power	30 W
PoE output current	Standard	IEEE 802.3bt
	Output power	60 W
	Standard	IEEE 802.3af
	Output current	350 mA
Total PoE power budget	Standard	IEEE 802.3at
	Output current	600 mA
	Standard	IEEE 802.3bt
	Output current	1.2 A
	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	23.9 V
	Power budget	60 W
	Voltage type	DC
	Voltage, min.	24 V
	Voltage, max.	57 V
	Power budget	120 W
Voltage type	DC	
Voltage, min.	48 V	
Voltage, max.	57 V	
Power budget	144 W	

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PoE pin assignment Mode A: Pin 1, 2 (V-); Pin 3, 6 (V+); Alternative A; MDI-X / Mode B: Pin 4, 5 (V+); Pin 7, 8 (V-); Alternative B; MDI-X

### Power supply

Reverse polarity protection	Yes		
Overload current protection	Yes		
Connection type	1 removable 6-pin terminal block		
Voltage supply range	Voltage type	DC	
	Voltage, min.	12 V	
	Voltage, max.	57 V	
Current consumption	Voltage	24 V	
	Voltage type	DC	
	Current consumption with Powered Device (PD)	5 A	
	Current consumption without Powered Device (PD)	220 mA	

### Switch characteristics

MAC table size	2 K	Packet buffer size	768 kbit
Bandwidth backplane	16 Gbit/s		

### Technical data

Housing main material	Metal	Type of mounting	DIN rail
Protection degree	IP30	Speed	Fast Ethernet
Switch	unmanaged PoE		

### Classifications

ETIM 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	EC000734	ECLASS 14.0	19-17-04-10
ECLASS 15.0	19-17-04-10		