

## Industrial Ethernet IE-SW-BL08-6TX-2SC

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Weidmüller's BasicLine consists of unmanaged Plug & Play switches in a robust IP 30 protected aluminium housing. The equipment can be delivered with Fast Ethernet and Gigabit Ethernet ports and offers an economical solution for industrial Ethernet networks. One variety is fitted with Fast Ethernet and Power-over-Ethernet ports. All the equipment has been developed for use in harsh industrial environments and has international approvals such as CE, cULus, Class I Div. 2 / ATEX and DNV / GL, and is therefore able to be used in many international applications.

- Plug & Play switches in a rugged aluminium housing (IP 30)
- Compact design
- Switches for an economical entry solution
- Fast Ethernet versions with 5 and 8 ports
- Models with copper or fibre-optic interface (multimode and singlemode)
- Full Gigabit Plug and Play switch with 5 ports
- Power-over-Ethernet (PoE) switch with 6 Fast Ethernet ports, 4 of them PoE+ ports
- Approvals: CE, FCC, cULus, Class I Div. 2 / ATEX, DNV / GL

### General ordering data

Type	IE-SW-BL08-6TX-2SC
Order No.	<a href="#">1240910000</a>
Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 6x RJ45, 2 * SC Multi-mode, IP30, -10 °C...60 °C
GTIN (EAN)	4050118028904
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Width	50 mm	Width (inches)	1.969 inch
Height	115 mm	Height (inches)	4.528 inch
Depth	70 mm	Depth (inches)	2.756 inch
Weight	275 g	Net weight	275 g

**EMC conformity and approvals**

EMC standards	FCC Part 15, CISPR (EN55022) Class A, EN 61000-4-2 (ESD), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-4 (EFT), Stage 3, EN 61000-4-5 (surge voltage), Stage 3, EN 61000-4-6 (CS), Stage 3, EN 61000-4-8, EN 61000-4-11	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA IIC T4 Gc
Free fall	according to IEC 60068-2-32	Security	UL508
Ship use	DNV, GL	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

**Environmental conditions**

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	60 °C
Operating temperature, min.	-10 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

**Fibre optic 100BaseFX**

Link budget multimode	12 dB	Max. TX multi-mode	-10 dBm
Min. TX multi-mode	-20 dBm	Receive sensitivity multi-mode	-32 dBm
System reserve multi-mode	-6 dBm	Typical distances multi-mode	4 km (62.5/125 µm multi-mode cable), 5 km (50/125 µm multi-mode cable)
Wavelength multi-mode	1,300 nm		

**Guarantee**

Time interval	5 years
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**Interfaces**

DIP switch	1x for enabling/disabling the broadcast storm protection	Fibre-optic ports	100BaseFX ports (SC connector), Multimode
LED indicator	PWR1, PWR2, 10/100M (TP-Port), 100M (fibre-optic port).	Number of ports	6x RJ45, 2 * SC Multimode
RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port		

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**Technical data**
**MTBF**

MTBF	2,428,212 hrs	MTBF	Telcordia (Bellcore), GB
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**Power supply**

Connection type	1 removable 4-pin terminal block	Current consumption	0.22 A at 24 V
Overload current protection	1.1 A	Reverse polarity protection	Available
Supply voltage	12/24/48 V DC, 9.6 to 60 V DC, 18 to 30 V AC, 47 to 63 Hz, 2 redundant inputs		

**Switch characteristics**

MAC table size	1 K	Packet buffer size	512 Kbit
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**Technical data**

Housing main material	Aluminium	Protection degree	IP30
Type of mounting	Mounting rail		

**Technology**

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control, Back pressure flow control
Standard	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) und 100BaseFX, IEEE 802.3x for flow control		

**Classifications**

ETIM 4.0	EC002598	ETIM 5.0	EC002598
ETIM 6.0	EC000734	eClass 6.2	19-17-01-06
eClass 7.1	19-17-01-06	eClass 8.1	19-17-01-06
eClass 9.0	19-17-01-06	eClass 9.1	19-17-01-06

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DE_PN4800_160418_001.pdf</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">Hardware Installation Guide</a>