

Industrial Ethernet IE-SW-BL05-4TX-1SCS

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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-BL05-4TX-1SCS
Order No.	1240870000
Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 4 x RJ45, 1 * SC Single-mode, IP 30, -10 °C...+60 °C
GTIN (EAN)	4050118028836
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Width	30 mm	Height	115 mm
Depth	70 mm	Weight	175 g
Net weight	175 g		

EMC conformity and approvals

EMC standards	FCC Part 15, CISPR (EN55022) Class A, EN 61000-4-2 (ESE), 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 nC IIC
Free fall	IEC 60068-2-32	Security	UL508
Ship use	DNV, GL	Shock resistance IEC 60068-2-27	Available
Vibration resistance IEC 60068-2-6	Available		

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 singlemode	29 dB	Max. TX single-mode	0 dBm
Min. TX single-mode	-5 dBm	Receive sensitivity single-mode	-34 dBm
System reserve single-mode	-3 dBm	Typical distances single-mode	40 km (9/125 µm single-mode cable)
Wavelength single-mode	1,310 nm		

Guarantee

Time interval	5 years
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Interfaces

DIP switch	Broadcast storm protection enable/disable	Fibre-optic ports	100BaseFX ports (SC connector), Singlemode
LED indicator	Supply, 10/100M (TP-Port), 100M (Glasfaser-Port)	Number of ports	4 x RJ45, 1 * SC Single-mode
RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port		

MTBF

MTBF	3,040,780 hrs	MTBF	Telcordia (Bellcore), GB
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Power supply

Connection type	1 removable 4-pin terminal block	Current consumption	0.11 A at 24 V
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
Turn-on current limit	1.1 A		

Switch characteristics

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

Housing main material	Aluminium	Protection degree	IP 30
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

eClass 6.2	19-17-01-06	eClass 7.1	19-17-01-06
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Approvals

Approvals



ROHS	Conform
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Downloads

Package insert	Hardware Installation Guide
Declaration of Conformity	K4190913.pdf
	3D Modell