

Industrial Ethernet IE-SW-BL05-4GT-1GS

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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-BL05-4GT-1GS
Order No.	2435400000
Version	Network switch, unmanaged, Gigabit Ethernet, Number of ports: 4 * RJ45 10/100/1000BaseT(X), 1 * combo-port (10/100/1000BaseT(X) or 100/1000BaseSFP), IP30, -10 °C...60 °C
GTIN (EAN)	4050118447224
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	29 mm	Width (inches)	1.142 inch
Height	135 mm	Height (inches)	5.315 inch
Depth	105 mm	Depth (inches)	4.134 inch
Weight	290 g	Net weight	422 g

EMC conformity and approvals

EMC standards	FCC Part 15 Subpart B Class A, EN 55022 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	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA nC IIC T4 Gc
Free fall	according to IEC 60068-2-32	Security	UL508
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		

Guarantee

Time interval	5 years
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Interfaces

Alarm contact		DIP switch	Port surveillance, Broadcast storm protection enable/disable, Enable/disable jumbo frame support, Activate/deactivate IEEE 802.3az energy-efficient Ethernet, Switching between 100BaseSFP and 1000BaseSFP on SFP port
Fibre-optic ports	1 relay output with a current capacity of 1 A at 24 V DC	LED indicator	PWR1, PWR2, FAULT, 10/100/1000M
Number of ports	100/1000Base SFP Slot	RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
	4 * RJ45 10/100/1000BaseT(X), 1 * combo-port (10/100/1000BaseT(X) or 100/1000BaseSFP)		

MTBF

MTBF	2,823,446 hrs	MTBF	Telcordia (Bellcore), GB
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Technical data
Power supply

Connection type	1 removable 6-pin terminal block	Current consumption	0.16 A at 24 V
Reverse polarity protection	Available	Supply voltage	12/24/48 V DC, 2 redundant inputs
Supply voltage, max	60 V DC	Supply voltage, min.	9.6 V DC

Switch characteristics

Jumbo frame support	up to 10 KB	MAC table size	8 K
Packet buffer size	1,024 Kbit		

Technical data

Housing main material	metal	Protection degree	IP30
Type of mounting	Mounting rail, Panel (with optional mounting kit)		

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 802.3ab for 1000BaseT(X), IEEE 802.3z for 1000BaseX, IEEE 802.3x for flow control, IEEE 802.3az Energy-Efficient Ethernet		

Classifications

ETIM 6.0	EC000734	eClass 6.2	19-17-01-06
eClass 9.1	19-17-01-06		

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PN4800_160616_001.pdf
User Documentation	Hardware Installation Guide