

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

**Weidmüller Interface GmbH & Co. KG**  
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### Product image



- Variations with 5 or 8 ports
- Variations for Gigabit Ethernet
- Sturdy metal housing
- Compact design
- Two redundant power inputs 12/24/48 V DC
- Variations with copper and fibre-optic interface (multimode and singlemode)
- Extensive approvals: CE, FCC, cULus, Class I Div. 2 / ATEX Zone 2, DNV-GL

### General ordering data

Type	IE-SW-BL05-4GT-1GS
Order No.	<a href="#">2435400000</a>
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
Net weight	422 g		

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**EMC conformity and approvals**

EMC standards	EN 55032, EN 55024, CISPR 32, 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 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 V, IEC 61000-4-8	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	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		

**Guarantee**

Time interval 5 years

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**Technical data**
**Interfaces**

Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC	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	100/1000Base SFP Slot	LED indicator	Power LED: PWR1, PWR2, FAULT, 10/100/1000M
Note 1	When connecting a single-mode fiber transceiver over a short distance, we recommend using an attenuator to prevent the transceiver from being damaged by excessive optical power.	Note 2	The SFP slot can only be used with Weidmüller SFP transceivers. Third-party SFP transceivers are not accepted by the switch.
Number of ports	4 * RJ45 10/100/1000BaseT(X), 1 * combo-port (10/100/1000BaseT(X) or 100/1000BaseSFP)	RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

**MTBF**

MTBF	2,823,446 hrs	Database	Telcordia (Bellcore), GB
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**Power supply**

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

**Switch characteristics**

Bandwidth backplane	10 Gbps	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	DIN rail, Panel (with optional mounting kit)		

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**Technical data****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) and 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	ETIM 7.0	EC000734
eClass 9.0	19-17-01-06	eClass 9.1	19-17-01-06
eClass 10.0	19-17-04-02		

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CC-Link IE Field Certificate</a> <a href="#">DNV-GL certificate</a> <a href="#">ATEX certificate</a> <a href="#">KC certificate</a> <a href="#">EU Declaration of Conformity</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Hardware Installation Guide</a>