

Industrial Ethernet IE-SW-BL08T-7TX-1ST

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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-BL08T-7TX-1ST
Order No.	1412100000
Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 7x RJ45, 1 * ST Multi-mode, IP30, -40 °C...75 °C
GTIN (EAN)	4050118212785
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

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 bis 1 Ghz: 10 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 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 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.	75 °C
Operating temperature, min.	-40 °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		Typical distances multi-mode	4 km (62.5/125 µm multi-mode cable), 5 km (50/125 µm, multi-mode cable)
	-6 dBm		
Wavelength multi-mode	1,300 nm		

Guarantee

Time interval 5 years

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Technical data**Interfaces**

DIP switch	1x for enabling/disabling the broadcast storm protection	Fibre-optic ports	100BaseFX ports (ST connector), Multimode
LED indicator	PWR1, PWR2, 10/100M (TP-Port), 100M (fibre-optic port).	Number of ports	7x RJ45, 1 * ST Multimode
RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port		

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	0.17 A at 24 V
Overload current protection	1.1 A	Reverse polarity protection	Available
Supply voltage, max	60 V DC	Supply voltage, min.	9.6 V DC
Voltage supply	12/24/48 V DC, 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	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 802.3x for flow control		

Classifications

ETIM 5.0	EC000734	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		

Data sheet**Industrial Ethernet
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Technical data**Approvals**

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	ATEX certificate EU Declaration of Conformity
Engineering Data	EPLAN, WSCAD
Product Change Notification	Product Change Notification IE-SW-BL08-series
User Documentation	Hardware Installation Guide