

Industrial Ethernet IE-SW-EL08-8POE

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Features of EcoLine Power-over-Ethernet unmanaged Switch series

- Variants with 4 or 8 IEEE 802.3af/at compliant PoE ports (up to 30 watt power output per PoE-port)
- Integrated DC/DC converter for supplying 48 V PoE voltage to PDs over the entire input voltage range from 12 to 57 V DC
- Models supporting Gigabit Ethernet including Jumbo Frame support for applications with high demand on bandwidth and latency
- Models with fiber optic ports for communication links over long distances
- Suitable for use in harsh industrial environment thanks to rugged design and wide operating temperature range of -40°C up to 75°C
- Reliable operation due to redundant voltage inputs, fault relay and LED diagnostics

General ordering data

Type	IE-SW-EL08-8POE
Order No.	2682380000
Version	Network switch, unmanaged PoE, Fast Ethernet, Number of ports: 8x RJ45 10/100 BaseT(X) PoE+, IP30, -40 °C...75 °C
GTIN (EAN)	4050118692334
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	41 mm	Width (inches)	1.614 inch
Height	144.3 mm	Height (inches)	5.681 inch
Depth	94.9 mm	Depth (inches)	3.736 inch
Net weight	634 g		

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

EMC conformity and approvals

EMC standards	EN 55032, EN 55024, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 GHz: 3 V/m, IEC 61000-4-4 EFT: Power: 0.5 kV; Signal: 0.5 kV, IEC 61000-4-5 Surge: Power: 0,5 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 Vrms	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6	Free fall	According to IEC 60068-2-31

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		

Guarantee

Time interval 5 years

Interfaces

DIP switch	Enabling/disabling power fault alarm via relay	LED indicator	Power LED: PWR1, PWR2, FAULT, Port LED: LNK/ACT, PoE active
Number of ports	8x RJ45 10/100 BaseT(X) PoE+	PoE pin assignment	Mode A: Pin 1, 2 (V+); Pin 3, 6 (V-); Alternative A; MDI
RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port	Signalling contact	1 relay output with a current capacity of 1 A at 24 V DC

MTBF

MTBF 744,974 hrs Database Telcordia SR332

Power supply

Connection type	1 removable 6-pin terminal block		
Current consumption	Voltage	24 V DC	
	Current	0.14 A	

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Technical data

Overload current protection	Yes	
Reverse polarity protection	Yes	
Total PoE power budget	60W at 12-24 V DC, 120W at 24-57 V DC	
Voltage supply	24 V DC, 2 redundant inputs	
Voltage supply range	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	57 V

Switch characteristics

Bandwidth backplane	1.6 Gbps	MAC table size	1 K
Packet buffer size	448 kbit		

Technical data

Housing main material	metal	Protection degree	IP30
Type of mounting	DIN rail		

Technology

Data switching Standard	Store and Forward IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for flow control, IEEE 802.3at/af for Power-over- Ethernet	Flow control	IEEE 802.3x flow control
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Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
User Documentation	Hardware Installation Guide