IE-SW-EL08-6TX-2SCS

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany

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RoHS COMPLIANT

Features of EcoLine unmanaged Switch series

- Huge variety of port count and media type enable a wide range of applications (5 to 24 ports)
- Models supporting Gigabit Ethernet including Jumbo Frame support for applications with high demand on bandwidth and latency
- 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

Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 6x RJ45, 2x SC Single-mode, IP30, -40 °C...75 °C
Order No.	2682180000
Type	IE-SW-EL08-6TX-2SCS
GTIN (EAN)	4050118692532
Qty.	1 pc(s).

Creation date November 4, 2021 1:22:48 AM CET

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Technical data

Dimensions and weights

Depth	84 mm	Depth (inches)	3.307 inch
Height	115 mm	Height (inches)	4.528 inch
Width	41 mm	Width (inches)	1.614 inch
Net weight	520 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...75 °C
Humidity	5 to 95 % (non-condensing)		

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: 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	Free fall	According to IEC 60068-2-31
Safety standard	UL 61010-1, UL 61010-2-201	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating altitude	≤ 2000 m
Operating temperature, max.	75 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-40 °C

Fibre optic transceiver characteristics

Transmission rate	100 Mbps	
Transceiver type	Singlemode	
Connector type	SC-Duplex	
Transmission distance, typ.	30 km	
Wavelength	typ.	1,310 nm
Receive power	min.	-34 dBm
	max.	0 dBm
Transmission power	min.	-15 dBm
	max.	-8 dBm
Link-budget	19 dB	

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Guarantee

Time interval	5 years

Interfaces

Fibre-optic ports	100BaseFX ports (SC connector), Singlemode	LED indicator	Power LED: PWR, Port LED: LNK/ACT, 10/100M (RJ45 port), 100M (fibre-optic port).
Number of ports	6x RJ45, 2x SC Single-mode	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	1,060,513 h

Power supply

Connection type	1 removable 3-pole terminal block	
Current consumption	Voltage	24 V DC
	Current	0.14 A
Overload current protection	Yes	
Reverse polarity protection	Yes	
Voltage supply	24 V DC	
Voltage supply range	Voltage type	DC
	Voltage, min.	10 V
	Voltage, max.	30 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
Speed	Fast Ethernet	Switch	unmanaged
Type of mounting	DIN rail		

Technology

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control
Standard	IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX and 100BASE-FX, IEEE 802.3x for flow control		

Classifications

ETIM 6.0	EC000734	ETIM 7.0	EC000734
ETIM 8.0	EC000734	ECLASS 9.0	19-17-01-06
ECLASS 9.1	19-17-01-06	ECLASS 10.0	19-17-04-02
ECLASS 11.0	19-17-04-02		

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	KC certificate EU Declaration of Conformity RCM Declaration of Conformity
Engineering Data	STEP
User Documentation	Hardware Installation Guide
Catalogues	Catalogues in PDF-format