

**IE-SW-EL08-6TX-2SCS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**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.	<a href="#">2682180000</a>
Type	IE-SW-EL08-6TX-2SCS
GTIN (EAN)	4050118692532
Qty.	1 pc(s).

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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	350 g		

## Temperatures

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

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

## Environmental conditions

Humidity	5 to 95 % (non-condensing)		
Operating altitude	Altitude, max.	2,000 m	
	Note	in acc. with UL	
	Altitude, max.	6,000 m	
	Note	for restrictions, see the manufacturer's declaration for operating altitude in section downloads	
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
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## Interfaces

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

## 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
	Current	0.14 A
Overload current protection	Yes	
Reverse polarity protection	Yes	
Voltage supply	12/24 V DC, 1 single input	
Voltage supply range	Voltage type	DC
	Voltage, min.	9 V
	Voltage, max.	33 V

## Switch characteristics

Bandwidth backplane	1.6 Gbit/s	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		

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## Classifications

ETIM 6.0	EC000734	ETIM 7.0	EC000734
ETIM 8.0	EC000734	ETIM 9.0	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
ECLASS 12.0	19-17-04-02	ECLASS 13.0	19-17-04-02
ECLASS 14.0	19-17-04-02		

## Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1 Lead monoxide 1317-36-8
SCIP	9229992a-00b9-4096-8962-200a7f33e289

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">KC certificate</a> <a href="#">EU Declaration of Conformity</a> <a href="#">RCM Declaration of Conformity</a> <a href="#">UK Declaration of Conformity</a> <a href="#">Manufacturer's declaration for operating altitude</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Hardware Installation Guide</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Mounting kit for 19" rack assembly**

- For assembling DIN rail-based devices on 19" racks

**General ordering data**

Type	RM-KIT	Version
Order No.	<a href="#">1241440000</a>	Kit for 19"-rack mounting
GTIN (EAN)	4050118029154	
Qty.	1 pc(s).	