

## IE-SW-EL06-4POE-2SC

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com



#### Features of EcoLine Power-over-Ethernet unmanaged switches/injectors

- Variants with 2, 4 or 8 IEEE 802.3af/at compliant PoE ports (up to 30 watt power output per PoE port)
- Integrated DC/DC converter for providing PoE voltage to PDs over the entire PSE 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

Version	Network switch, unmanaged PoE, Fast Ethernet, Number of ports: 4x RJ45 10/100 BaseT(X) PoE+, 2x SC Multi-mode, IP30, -40 °C...75 °C
Order No.	<a href="#">2682390000</a>
Type	IE-SW-EL06-4POE-2SC
GTIN (EAN)	4050118692327
Qty.	1 items

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**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E141197

**Dimensions and weights**

Depth	94.9 mm	Depth (inches)	3.7362 inch
Height	144.3 mm	Height (inches)	5.6811 inch
Width	41 mm	Width (inches)	1.6142 inch
Net weight	680 g		

**Temperatures**

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

**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

**EMC conformity and approvals**

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

**Environmental conditions**

Operating temperature, max.	75 °C	
Operating temperature, min.	-40 °C	
Humidity	5 to 95 % (non-condensing)	
Storage temperature, max.	85 °C	
Storage temperature, min.	-40 °C	
Operating altitude	Altitude, max.	2000 m
	Note	in acc. with UL
	Altitude, max.	6000 m

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## Technical data

Note

for restrictions, see the manufacturer's declaration for operating altitude in section downloads

### Fibre optic transceiver characteristics

Transmission rate	100 Mbps	
Transceiver type	Multimode	
Connector type	SC-Duplex	
Transmission distance, typ.	2 km	
Wavelength	typ.	1310 nm
Receive power	min.	-31 dBm
	max.	0 dBm
Transmission power	min.	-23.5 dBm
	max.	-14 dBm
Link-budget	7.5 dB	

### Guarantee

Time interval	5 years
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### Interfaces

Fibre-optic ports	100BaseFX ports (SC connector), Multimode	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
Function DIP switch	2x for enabling/disabling power fault alarm via relay	Signalling contact	1 relay output with a current capacity of 1 A at 24 V DC
Number of ports	4x RJ45 10/100 BaseT(X) PoE+, 2x SC Multi-mode	LED indicator	Power LED: PWR1, PWR2, FAULT, Port LED: LNK/ACT, PoE active, 100M (fibre-optic port).

### MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	538904 h

### Power over Ethernet (PoE)

PoE output power	Standard	IEEE 802.3af
	Output power	15.4 W
PoE output current	Standard	IEEE 802.3at
	Output current	350 mA
Total PoE power budget	Standard	IEEE 802.3at
	Output current	600 mA
PoE pin assignment	Voltage type	DC
	Voltage, min.	24 V
PoE pin assignment	Voltage, max.	49.9 V
	Power budget	60 W
PoE pin assignment	Voltage type	DC
	Voltage, min.	50 V
PoE pin assignment	Voltage, max.	57 V
	Power budget	120 W

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### Power supply

Reverse polarity protection	Yes		
Supply voltage	24/48 V DC, 2 redundant inputs		
Overload current protection	Yes		
Connection type	1 removable 6-pin terminal block		
Voltage supply range	Voltage type	DC	
	Voltage, min.	24 V	
	Voltage, max.	57 V	
Current consumption	Voltage	24 V	
	Current	2.8 A	
	Voltage	57 V	
	Current	2.2 A	

### Switch characteristics

MAC table size	1 K	Packet buffer size	448 kBit
Bandwidth backplane	1.2 Gbit/s		

### Technical data

Housing main material	Metal	Type of mounting	DIN rail
Protection degree	IP30	Speed	Fast Ethernet
Switch	unmanaged PoE		

### Technology

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

### Classifications

ETIM 6.0	EC000734	ETIM 7.0	EC000734
ETIM 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	EC000734	ECLASS 9.0	19-17-01-06
ECLASS 9.1	19-17-01-06	ECLASS 10.0	19-17-04-10
ECLASS 11.0	19-17-04-10	ECLASS 12.0	19-17-04-10
ECLASS 13.0	19-17-04-10	ECLASS 14.0	19-17-04-10
ECLASS 15.0	19-17-04-10		

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## 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 ST		