

IE-SW-EL08-8POE**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: 8x RJ45 10/100 BaseT(X) PoE+, IP30, -40 °C...75 °C |
| Order No. | 2682380000 |
| Type | IE-SW-EL08-8POE |
| GTIN (EAN) | 4050118692334 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|----------|-----------------|------------|
| Depth | 94.9 mm | Depth (inches) | 3.736 inch |
| Height | 144.3 mm | Height (inches) | 5.681 inch |
| Width | 41 mm | Width (inches) | 1.614 inch |
| Net weight | 600 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, 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 | | |

Guarantee

| | |
|---------------|---------|
| Time interval | 5 years |
|---------------|---------|

Interfaces

| | | | |
|---------------------|--|---------------|---|
| Function DIP switch | 2x for 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+ | 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 | | |

Creation date May 2, 2024 4:47:23 AM CEST

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www.weidmueller.com**Technical data****MTBF**

| | | |
|------|------------------------------|------------------|
| MTBF | According to Standard | Telcordia SR-332 |
| | Operating time (hours), min. | 744,974 h |

Power over Ethernet (PoE)

| | | |
|------------------------|--|--------------|
| PoE output current | Standard | IEEE 802.3af |
| | Output current | 350 mA |
| | Standard | IEEE 802.3at |
| | Output current | 600 mA |
| PoE output power | Standard | IEEE 802.3af |
| | Output power | 15.4 W |
| | Standard | IEEE 802.3at |
| | Output power | 30 W |
| PoE pin assignment | Mode A: Pin 1, 2 (V+); Pin 3, 6 (V-); Alternative A; MDI | |
| Total PoE power budget | Voltage type | DC |
| | Voltage, min. | 12 V |
| | Voltage, max. | 23.9 V |
| | Power budget | 60 W |
| | Voltage type | DC |
| | Voltage, min. | 24 V |
| | Voltage, max. | 57 V |
| | Power budget | 120 W |

Power supply

| | | |
|-----------------------------|-----------------------------------|--------|
| Connection type | 1 removable 6-pin terminal block | |
| Current consumption | Voltage | 12 V |
| | Current | 6.3 A |
| | Voltage | 24 V |
| | Current | 5.74 A |
| | Voltage | 48 V |
| | Current | 2.75 A |
| Overload current protection | Yes | |
| Reverse polarity protection | Yes | |
| Voltage supply | 12/24/48 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 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 PoE |
| Type of mounting | DIN rail | | |

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Technical data

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), 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 |
| 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 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| 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 | KC certificate EU Declaration of Conformity RCM Declaration of Conformity UK Declaration of Conformity Manufacturer's declaration for operating altitude |
| Engineering Data | CAD data – STEP |
| User Documentation | Hardware Installation Guide |
| Catalogues | Catalogues in PDF-format |

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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. | 1241440000 | Kit for 19"-rack mounting |
| GTIN (EAN) | 4050118029154 | |
| Qty. | 1 pc(s). | |