

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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 Multi-mode, IP30, -40 °C...75 °C |
| Order No. | 2682170000 |
| Type | IE-SW-EL08-6TX-2SC |
| GTIN (EAN) | 4050118692549 |
| Qty. | 1 pièce(s) |

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Caractéristiques techniques

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 | Multimode | | |
| Connector type | SC-Duplex | | |
| Transmission distance, typ. | 2 km | | |
| Wavelength | typ. | 1 310 nm | |
| | | | |
| Receive power | min. | -31 dBm | |
| | max. | 0 dBm | |
| Transmission power | min. | -23,5 dBm | |
| | max. | -14 dBm | |
| Link-budget | 7,5 dB | | |

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Caractéristiques techniques

Guarantee

Time interval 5 years

Interfaces

| | | | |
|-------------------|---|---------------|--|
| Fibre-optic ports | 100BaseFX ports (SC connector), Multimode | LED indicator | Power LED: PWR, Port LED: LNK/ACT, 10/100M (RJ45 port), 100M (fibre-optic port). |
| Number of ports | 6x RJ45, 2x SC Multi-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. | 1 218 117 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 Standard | Store and Forward IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX and 100BASE-FX, IEEE 802.3x for flow control | Flow control | IEEE 802.3x flow control |
|-------------------------|--|--------------|--------------------------|

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Caractéristiques techniques

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 | 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 Application notes – Industrial Product Security Guideline |
| Catalogues | Catalogues in PDF-format |