

## IE-SW-EL08-8GT-MINI

**Weidmüller Interfaces GmbH & Co. KG**

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### 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, Gigabit Ethernet, Number of ports: 8x RJ45, IP30, -40 °C...75 °C |
| Order No.  | <a href="#">2705000000</a>  |
| Type       | IE-SW-EL08-8GT-MINI   |
| GTIN (EAN) | 4050118740936   |
| Qty.       | 1 pc(s).  |

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## Technical data

## Dimensions and weights

|            |       |                 |            |
|------------|-------|-----------------|------------|
| Depth      | 90 mm | Depth (inches)  | 3.543 inch |
| Height     | 95 mm | Height (inches) | 3.74 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 |
| Operating temperature, min. | -40 °C                     | Operating temperature, max. | 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: 6 kV; Air: 10 kV, IEC 61000-4-3 RS: 80 MHz bis 1 Ghz: 3 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV, IEC 61000-4-5 Surge: Power: 1 kV; Signal: 4 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          | 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 |
|---------------|---------|

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8x RJ45

## Technical data

## Interfaces

|               |   |                 |         |
|---------------|---|-----------------|---------|
| LED indicator | Power LED: PWR1, PWR2,<br>Port LED: LNK/ACT,<br>10/100/1000M (RJ45<br>port)                   | Number of ports | 8x RJ45 |
| RJ45 ports    | 10/100/1000BaseT(X),<br>auto negotiation, Full-/half-<br>duplex mode, Auto MDI/<br>MDI-X port |                 |         |

## MTBF

|      |                              |                  |
|------|------------------------------|------------------|
| MTBF | According to Standard        | Telcordia SR-332 |
|      | Operating time (hours), min. | 1,742,238 h      |

## Power supply

|                             |                                   |         |  |
|-----------------------------|-----------------------------------|---------|--|
| Connection type             | 1 removable 4-pin terminal block  |         |  |
| Current consumption         | Voltage                           | 12 V DC |  |
|                             | Current                           | 0.42 A  |  |
|                             | Voltage                           | 24 V DC |  |
|                             | Current                           | 0.17 A  |  |
|                             | Voltage                           | 48 V DC |  |
|                             | Current                           | 0.09 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.                     | 10.8 V  |  |
|                             | Voltage, max.                     | 52.8 V  |  |

## Switch characteristics

|                     |         |                     |            |
|---------------------|---------|---------------------|------------|
| Bandwidth backplane | 16 Gbps | Jumbo frame support | up to 9 KB |
| MAC table size      | 4 K     | Packet buffer size  | 1.5 Mbit   |

## Technical data

|                       |                  |                   |           |
|-----------------------|------------------|-------------------|-----------|
| Housing main material | Metal            | Protection degree | IP30      |
| Speed                 | Gigabit 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,<br>IEEE 802.3u for 100BASE-<br>TX, IEEE 802.3ab for<br>1000BASE-T, IEEE 802.3x<br>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 | ECLASS 12.0 | 19-17-04-02 |

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**Technical data**

**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 | <a href="#">KC certificate</a><br><a href="#">EU Declaration of Conformity</a><br><a href="#">RCM Declaration of Conformity</a><br><a href="#">UK Declaration of Conformity</a><br><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>   |