

**IE-SW-ELB-08-8TX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Features of EcoLine Series B Switches**

- Covers the most common port combinations with RJ45 and SFP ports for flexible usage
- Network availability is strongly increased thanks to Broadcast Storm Protection
- Support real time communication e.g. in PROFINET networks due to the "Quality of Service" functionality – "PROFINET Conformance Class A"
- Very small design for installation in places where space is critical
- A rotatable DIN-rail-clip allows use at locations offering very limited vertical space such as installation cabinets
- The AC voltage input enables use without a switching power supply to save cost in e.g. building automation
- Plastic-free, handling optimized packaging for fast processing and environmental friendliness

**General ordering data**

|            |  |
|------------|--|
| Version    | Network switch, unmanaged, Fast Ethernet, Number of ports: 8x RJ45, IP40, -10 °C...60 °C |
| Order No.  | <a href="#">2828550000</a>   |
| Type       | IE-SW-ELB-08-8TX   |
| GTIN (EAN) | 4064675369875  |
| Qty.       | 1 pc(s).   |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 64 mm   | Depth (inches)  | 2.52 inch  |
| Height     | 103 mm  | Height (inches) | 4.055 inch |
| Width      | 43.5 mm | Width (inches)  | 1.713 inch |
| Net weight | 195 g   |                 |            |

## Temperatures

|                     |                            |                       |                |
|---------------------|----------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C             | Operating temperature | -10 °C...60 °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 | 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 |  |
| Operating temperature, max. | 60 °C                      |                 |  |
| Operating temperature, min. | -10 °C                     |                 |  |
| Storage temperature, max.   | 85 °C                      |                 |  |
| Storage temperature, min.   | -40 °C                     |                 |  |

## Guarantee

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

## Interfaces

|                     |  |               |   |
|---------------------|--|---------------|---|
| Function DIP switch | 1x for enabling QoS (according to IEEE 802.1p), 1x for enabling/disabling the broadcast storm protection | LED indicator | Power LED: PWR, Port LED: LNK/ACT, 10/100M (RJ45 port)                        |
| Number of ports     | 8x RJ45  | RJ45 ports    | 10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port |

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## MTBF

|      |                              |                  |
|------|------------------------------|------------------|
| MTBF | According to Standard        | Telcordia SR-332 |
|      | Operating time (hours), min. | 463,836 h        |

## Management features

|                        |                          |                             |   |
|------------------------|--------------------------|-----------------------------|---|
| Network traffic filter | Quality of Service (QoS) | Industrial protocol support | PROFINET device acc. to conformance class A |
|------------------------|--------------------------|-----------------------------|---|

## Power supply

|                             |  |         |
|-----------------------------|--|---------|
| Current consumption         | Voltage                                | 24 V DC |
|                             | Current                                | 0.13 A  |
| Overload current protection | Yes                                    |         |
| Reverse polarity protection | Yes                                    |         |
| Voltage supply              | 12/24/48 V DC, 24 V AC, 1 single input |         |
| Voltage supply range        | Voltage type                           | DC      |
|                             | Voltage, min.                          | 9.6 V   |
|                             | Voltage, max.                          | 60 V    |
|                             | Voltage type                           | AC      |
|                             | Voltage, min.                          | 18 V    |
|                             | Voltage, max.                          | 36 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 | IP40      |
| 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, IEEE 802.3x for flow control, IEEE 802.1p for Class of Service / Quality of Service (CoS/QoS) |              |                          |

## 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 |

## Environmental Product Compliance

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | 95f06c58-199a-4ab7-817c-c2503ba62133 |

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## 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="#">UK Declaration of Conformity</a><br><a href="#">RCM Declaration of Conformity</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).                   |                           |