

**IE-SW-ELB-08-6TX-2FESFP****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: 6x RJ45, 2x 100BaseSFP slot, IP40, -10 °C...60 °C |
| Order No.  | <a href="#">2828600000</a>                                                                                   |
| Type       | IE-SW-ELB-08-6TX-2FESFP                                                                                      |
| GTIN (EAN) | 4064675369974                                                                                                |
| Qty.       | 1 pc(s).                                                                                                     |

**IE-SW-ELB-08-6TX-2FESFP****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**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 | 200 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, IEC 61000-4-8 | Free fall |                                                            |
| Safety standard | UL 61010-1, UL 61010-2-201                                                                                                                                                                                                                                                                       | Shock     | According to IEC 60068-2-31<br>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 |
|---------------|---------|

## IE-SW-ELB-08-6TX-2FESFP

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Interfaces

|                   |                                                                               |                     |                                                                                                             |
|-------------------|-------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------|
| Fibre-optic ports |                                                                               | Function DIP switch | 1x for enabling QoS (according to IEEE 802.1p),<br>1x for enabling/disabling the broadcast storm protection |
| LED indicator     | 100BaseSFP-Slot                                                               | Number of ports     | 6x RJ45, 2x 100BaseSFP slot                                                                                 |
|                   | Power LED: PWR, Port LED: LNK/ACT, 10/100M (RJ45 port), 100M (SFP-Port)       |                     |                                                                                                             |
| 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. | 435,270 h        |

## Management features

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

## Power supply

|                             |                                        |        |
|-----------------------------|----------------------------------------|--------|
|                             |                                        |        |
| Connection type             | 1 removable 2-pin terminal block       |        |
| Current consumption         | Voltage                                | 24 V   |
|                             | Current                                | 0.25 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 Gbit/s | MAC table size  | 1 K |
| Packet buffer size  | 448 Kbit | Priority queues | 2   |

## Technical data

|                       |               |                   |           |
|-----------------------|---------------|-------------------|-----------|
| Housing main material | Metal         | Protection degree | IP40      |
| Speed                 | Fast Ethernet | Switch            | unmanaged |
| Type of mounting      | DIN rail      |                   |           |

## IE-SW-ELB-08-6TX-2FESFP

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## 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-TX and 100BASE-FX, 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    |
| ETIM 10.0   | 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 |
| ECLASS 15.0 | 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                       |
| SCIP                                 | 95f06c58-199a-4ab7-817c-c2503ba62133 |

## Approvals

Approvals



|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319245/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319245/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| 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><br><a href="#">Application notes – Industrial Product Security Guideline</a>                                                        |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                        |

## IE-SW-ELB-08-6TX-2FESFP

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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).                   |                           |

## SFP transceiver (for use with switches of Eco-, Advanced-, Substation and BasicLine series B)



## Features of SFP-Transceiver series

- Huge variety of transceiver types for several transmission speeds (up to 10 Gigabit Ethernet) and distances (up to 60 km)
- BiDi SFP models for communication via single fiber
- Easy control of transceiver status due to support of Digital Diagnostic Monitoring (DDM)
- Hot pluggable (during operation)
- Class 1 laser product, EN60825-1 compliant
- Applicable for switches of the Eco-, Advanced- and SubstationLine

## General ordering data

|            |                            |                                                                         |
|------------|----------------------------|-------------------------------------------------------------------------|
| Type       | IE-SFP-1FE-MM-2            | Version                                                                 |
| Order No.  | <a href="#">2682450000</a> | SFP Transceiver, 100 Mbps, Multimode, LC-Duplex, 4 km, -40 °C...85 °C   |
| GTIN (EAN) | 4050118692266              |                                                                         |
| Qty.       | 1 pc(s).                   |                                                                         |
| Type       | IE-SFP-1FE-SM-30           | Version                                                                 |
| Order No.  | <a href="#">2682460000</a> | SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 30 km, -40 °C...85 °C |
| GTIN (EAN) | 4050118692259              |                                                                         |
| Qty.       | 1 pc(s).                   |                                                                         |
| Type       | IE-SFP-1FE-SM-60           | Version                                                                 |
| Order No.  | <a href="#">2682470000</a> | SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 60 km, -40 °C...85 °C |
| GTIN (EAN) | 4050118692242              |                                                                         |
| Qty.       | 1 pc(s).                   |                                                                         |