

**IE-SW-BL06-2TX-4POE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

- 4 x IEEE 802.3af/at compliant PoE ports
- 12/24/48 VDC redundant wide-range power supply
- Integrated DC/DC converter for supplying 48 V PoE devices over the entire input voltage range from 12 to 57 VDC
- Intelligent power consumption detection and classification
- Variations with copper and fibre-optic interface (multi-mode and singlemode)

**General ordering data**

|            |  |
|------------|--|
| Version    | Network switch, unmanaged PoE, Fast Ethernet, Number of ports: 2 * RJ45 10/100 BaseT(X), 4 * RJ45 10/100 BaseT(X) PoE+, IP30, -10 °C...60 °C |
| Order No.  | <a href="#">1241380000</a>   |
| Type       | IE-SW-BL06-2TX-4POE  |
| GTIN (EAN) | 4050118029093  |
| Qty.       | 1 pc(s).   |

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## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 70 mm  | Depth (inches)  | 2.756 inch |
| Height     | 114 mm | Height (inches) | 4.488 inch |
| Width      | 50 mm  | Width (inches)  | 1.969 inch |
| Net weight | 375 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   | FCC Part 15 Subpart B Class A, EN 55032, EN 55024, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 V, EN 61000-4-8 | Free fall |  |
| Safety standard | UL 508  | Shock     | According to IEC 60068-2-32<br>according to IEC 60068-2-27 |
| Vibration       | according to IEC 60068-2-6  |           |  |

## Environmental conditions

|                             |                            |                             |       |
|-----------------------------|----------------------------|-----------------------------|-------|
| Humidity                    | 5 to 95 % (non-condensing) | 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 | Broadcast storm protection enable/disable               | LED indicator | PWR1, PWR2, 10/100M (TP-Port), PoE  |
| Number of ports     | 2 * RJ45 10/100 BaseT(X), 4 * RJ45 10/100 BaseT(X) PoE+ | RJ45 ports    | 10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port |

## MTBF

|      |                              |                          |
|------|------------------------------|--------------------------|
| MTBF | According to Standard        | Telcordia (Bellcore), GB |
|      | Operating time (hours), min. | 1,398,743 h              |

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## 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.  | 17 V         |
|                        | Power budget   | 62 W         |
|                        | Voltage type   | DC           |
|                        | Voltage, min.  | 18 V         |
|                        | Voltage, max.  | 57 V         |
|                        | Power budget   | 120 W        |

## Power supply

|                             |  |        |
|-----------------------------|--|--------|
| Connection type             | 1 removable 4-pin terminal block       |        |
| Current consumption         | Voltage                                | 12 V   |
|                             | Current                                | 6.19 A |
|                             | Voltage                                | 24 V   |
|                             | Current                                | 5.55 A |
|                             | Voltage                                | 48 V   |
|                             | Current                                | 2.71 A |
| Inrush current              | 64.56 A at 48 V DC (0.1 to 1 ms)       |        |
| Overload current protection | Yes                                    |        |
| Power consumption           | max. 13.2 W (without PD's consumption) |        |
| Power loss                  | 36.4 BTU/h                             |        |
| 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

|                |     |                    |          |
|----------------|-----|--------------------|----------|
| MAC table size | 2 K | Packet buffer size | 768 kBit |
|----------------|-----|--------------------|----------|

## Technical data

|                       |               |                   |               |
|-----------------------|---------------|-------------------|---------------|
| Housing main material | Aluminium     | 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,<br>Back pressure flow control |
| Standard       | IEEE 802.3af for Power-over-Ethernet, IEEE 802.3at for Power-over-Ethernet, IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3x for flow control |              |   |

## 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       | 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="#">UK Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| Engineering Data                            | <a href="#">Zuken E3.S</a>   |
| Product Change Notification                 | <a href="#">Product Change Notification IE-SW-BL06-PoE-series</a>  |
| User Documentation                          | <a href="#">Hardware Installation Guide</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                                   |  |

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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).                   |                           |

**Ethernet**

- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE+ (according to IEEE 802.3at, IEEE 802.3bt Type 3 and 4)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | VDATA CAT6                 | Version   |
| Order No.  | <a href="#">1348590000</a> | Terminal rail fixing, Surge protection, Cat.6, PoE, 802.3 bt at Type 1, |
| GTIN (EAN) | 4050118153002              | 802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4              |
| Qty.       | 1 pc(s).                   |   |