

IE-SW-BL06-2TX-4POE

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

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 (multimode 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. | 1241380000 |
| Type | IE-SW-BL06-2TX-4POE |
| GTIN (EAN) | 4050118029093 |
| Qty. | 1 Stück |

Erstellungs-Datum May 24, 2023 2:15:29 PM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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Technische Daten

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 |
| Operating temperature, min. | -10 °C | Operating temperature, max. | 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 | According to IEC 60068-2-32 |
| Safety standard | UL 508 | Shock | 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 DC |
| | Current | 6.19 A |
| | Voltage | 24 V DC |
| | Current | 5.55 A |
| | Voltage | 48 V DC |
| | 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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Technology

| | | | |
|----------------|---|--------------|---|
| Data switching | Store and Forward | Flow control | IEEE 802.3x flow control, 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 | 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 |

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 | KC certificate EU Declaration of Conformity UK Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD, Zuken E3.S, EPLAN |
| Product Change Notification | Product Change Notification IE-SW-BL06-PoE-series |
| User Documentation | Hardware Installation Guide |
| Catalogues | Catalogues in PDF-format |
| Brochures | |