# Industrial Ethernet
# IE-SW-BL08-6TX-2SC

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
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Fon: +49 5231 14-0
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## Product image



- Variations with 5 or 8 ports
- Variations for Gigabit Ethernet
- Sturdy metal housing
- Compact design
- Two redundant power inputs 12/24/48 V DC
- Variations with copper and fibre-optic interface (multimode and singlemode)
- Extensive approvals: CE, FCC, cULus, Class I Div. 2 / ATEX Zone 2, DNV-GL

### General ordering data

| | |
|---|---|
| Type | IE-SW-BL08-6TX-2SC |
| Order No. | 1240910000 |
| Version | Network switch, unmanaged, Fast Ethernet, Number of ports: 6x RJ45, 2 * SC Multi-mode, IP30, -10 °C...60 °C |
| GTIN (EAN) | 4050118028904 |
| Qty. | 1 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Width | 50 mm | Width (inches) | 1.969 inch |
| Height | 115 mm | Height (inches) | 4.528 inch |
| Depth | 70 mm | Depth (inches) | 2.756 inch |
| Weight | 275 g | Net weight | 275 g |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | Lead 7439-92-1 |

### 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: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 Ghz: 10 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, IEC 61000-4-8 | Explosive risk zone | UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA IIC T4 Gc |
| Free fall | according to IEC 60068-2-32 | Security | UL508 |
| Ship use | DNV-GL | 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 | | |

### Fibre optic 100BaseFX

| | | | |
|---|---|---|---|
| Link budget multimode | 12 dB | Max. TX multi-mode | -10 dBm |
| Min. TX multi-mode | -20 dBm | Receive sensitivity multi-mode | -32 dBm |
| System reserve multi-mode | -6 dBm | Typical distances multi-mode | 4 km (62.5/125 µm multi-mode cable), 5 km (50/125 µm, multi-mode cable) |
| Wavelength multi-mode | 1,300 nm | | |

### Guarantee

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

Creation date July 5, 2019 10:15:06 AM CEST

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### Interfaces

| | | | |
|---|---|---|---|
| DIP switch | 1x for enabling/disabling the broadcast storm protection | Fibre-optic ports | 100BaseFX ports (SC connector), Multimode |
| LED indicator | PWR1, PWR2, 10/100M (TP-Port), 100M (fibre-optic port). | Number of ports | 6x RJ45, 2 * SC Multi-mode |
| RJ45 ports | 10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port | | |

### MTBF

| | | | |
|---|---|---|---|
| MTBF | 2,428,212 hrs | MTBF | Telcordia (Bellcore), GB |

### Power supply

| | | | |
|---|---|---|---|
| Connection type | 1 removable 4-pin terminal block | Current consumption | 0.22 A at 24 V |
| Overload current protection | 1.1 A | Reverse polarity protection | Available |
| Supply voltage, max | 60 V DC | Supply voltage, min. | 9.6 V DC |
| Voltage supply | 12/24/48 V DC, 2 redundant inputs | | |

### Switch characteristics

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

### Technical data

| | | | |
|---|---|---|---|
| Housing main material | Aluminium | Protection degree | IP30 |
| Type of mounting | Rail, Panel (with optional mounting kit) | | |

### Technology

| | | | |
|---|---|---|---|
| Data switching | Store and Forward | Flow control | IEEE 802.3x flow control, Back pressure flow control |
| Standard | IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) und 100BaseFX, IEEE 802.3x for flow control | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 4.0 | EC002598 | ETIM 5.0 | EC002598 |
| ETIM 6.0 | EC000734 | eClass 6.2 | 19-17-01-06 |
| eClass 7.1 | 19-17-01-06 | eClass 8.1 | 19-17-01-06 |
| eClass 9.0 | 19-17-01-06 | eClass 9.1 | 19-17-01-06 |

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### Approvals

| | |
|---|---|
| Approvals |  |
| ROHS | Conform |

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | DNV-GL certificate<br>ATEX certificate<br>EU Declaration of Conformity |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Product Change Notification | Product Change Notification IE-SW-BL08-series |
| User Documentation | Hardware Installation Guide |