

Industrial Ethernet IE-SW-BL05-4GT-1GS

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

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-BL05-4GT-1GS |
| Order No. | 2435400000 |
| Version | Network switch, unmanaged, Gigabit Ethernet, Number of ports: 4 * RJ45 10/100/1000BaseT(X), 1 * combo-port (10/100/1000BaseT(X) or 100/1000BaseSFP), IP30, -10 °C...60 °C |
| GTIN (EAN) | 4050118447224 |
| Qty. | 1 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|--------|--------|-----------------|------------|
| Width | 29 mm | Width (inches) | 1.142 inch |
| Height | 135 mm | Height (inches) | 5.315 inch |
| Depth | 105 mm | Depth (inches) | 4.134 inch |
| Weight | 290 g | Net weight | 422 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: 2 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 nC IIC T4 Gc |
| Free fall | according to IEC 60068-2-32 | Security | UL508, EN60950-1 |
| 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 | | |

Guarantee

Time interval 5 years

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Technical data**Interfaces**

| | | |
|-------------------|---|---|
| Alarm contact | DIP switch | Port surveillance, Broadcast storm protection enable/disable, Enable/ disable jumbo frame support, Activate/ deactivate IEEE 802.3az energy-efficient Ethernet, Switching between 100BaseSFP and 1000BaseSFP on SFP port |
| | 1 relay output with a current capacity of 1 A at 24 V DC | |
| Fibre-optic ports | LED indicator | PWR1, PWR2, FAULT, 10/100/1000M |
| Number of ports | 100/1000Base SFP Slot | |
| | 4 * RJ45 10/100/1000BaseT(X), 1 * combo-port (10/100/1000BaseT(X) or 100/1000BaseSFP) | RJ45 ports 10/100/1000BaseT(X), auto negotiation, Full-/half- duplex mode, Auto MDI/ MDI-X port |

MTBF

| | | | |
|------|---------------|------|--------------------------|
| MTBF | 2,823,446 hrs | MTBF | Telcordia (Bellcore), GB |
|------|---------------|------|--------------------------|

Power supply

| | | | |
|-----------------------------|-------------------------------------|---------------------|--------------------------------------|
| Connection type | 1 removable 6-pin terminal block | Current consumption | 0.16 A at 24 V |
| 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

| | | | |
|---------------------|-------------|----------------|-----|
| Jumbo frame support | up to 10 KB | MAC table size | 8 K |
| Packet buffer size | 1,024 Kbit | | |

Technical data

| | | | |
|-----------------------|---|-------------------|------|
| Housing main material | metal | 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 802.3ab for 1000BaseT(X), IEEE 802.3z for 1000BaseX, IEEE 802.3x for flow control, IEEE 802.3az Energy-Efficient Ethernet | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 6.0 | EC000734 | eClass 6.2 | 19-17-01-06 |
| eClass 9.0 | 19-17-01-06 | eClass 9.1 | 19-17-01-06 |

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Data sheet

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | CC-Link IE Field Certificate DNV-GL certificate EU Declaration of Conformity |
| Engineering Data | STEP |
| User Documentation | Hardware Installation Guide |

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