

## IE-SW-BL05-4GT-1GS

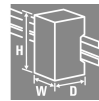
**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
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 Germany

www.weidmueller.com

### Product image



CC-Link  
IE  
field



- 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 (multi-mode and singlemode)
- Extensive approvals: CE, FCC, cULus, Class I Div. 2 / ATEX Zone 2, DNV-GL

### General ordering data

|                     |   |
|---------------------|---|
| 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 |
| Order No.           | <a href="#">2435400000</a>  |
| Type                | IE-SW-BL05-4GT-1GS  |
| GTIN (EAN)          | 4050118447224   |
| Qty.                | 1 items   |
| Delivery status     | This article will no longer be available in the future.   |
| Last order date     | 2027-01-30T00:00:00+01:00   |
| Alternative product | <a href="#">IE-SW-BLB-05-4GT-1GESFP</a>   |

Creation date 26.03.2026 03:25:16 MEZ

Catalogue status / Drawings

**IE-SW-BL05-4GT-1GS**

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**Technical data**

**Approvals**

Approvals



|                           |                            |
|---------------------------|----------------------------|
| ROHS                      | Conform                    |
| UL File Number Search     | <a href="#">UL Website</a> |
| Certificate no. (cULus)   | E141197                    |
| Certificate no. (cULusEX) | E223527                    |

**Dimensions and weights**

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 105 mm | Depth (inches)  | 4.1338 inch |
| Height     | 135 mm | Height (inches) | 5.3149 inch |
| Width      | 29 mm  | Width (inches)  | 1.1417 inch |
| Net weight | 287 g  |                 |             |

**Temperatures**

|                     |                            |                       |                |
|---------------------|----------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C             | Operating temperature | -10 °C...60 °C |
| Humidity            | 5 to 95 % (non-condensing) |                       |                |

**Environmental Product Compliance**

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 7a, 7cl                              |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 9229992a-00b9-4096-8962-200a7f33e289 |

**EMC conformity and approvals**

|                     |  |           |                             |
|---------------------|--|-----------|-----------------------------|
| 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 |
| EMC standards       | EN 55032, EN 55035, EN 61000-6-4, EN 61000-6-2, 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 to 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 | Vibration | according to IEC 60068-2-6  |
| Shock               | according to IEC 60068-2-27  | Ship use  | DNV                         |
| Safety standard     | UL508, EN 60950-1  |           |                             |

**Environmental conditions**

|                             |                            |                             |        |
|-----------------------------|----------------------------|-----------------------------|--------|
| Operating temperature, max. | 60 °C                      | Operating temperature, min. | -10 °C |
| Humidity                    | 5 to 95 % (non-condensing) | Storage temperature, max.   | 85 °C  |

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## Technical data

|                           |        |
|---------------------------|--------|
| Storage temperature, min. | -40 °C |
|---------------------------|--------|

### Guarantee

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

### Interfaces

|                     |  |               |  |
|---------------------|--|---------------|--|
| Fibre-optic ports   | 100/1000Base SFP Slot  | RJ45 ports    | 10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port   |
| Function 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 | Alarm contact | 1 relay output with a current capacity of 1 A at 24 V DC   |
| Number of ports     | 4 * RJ45<br>10/100/1000BaseT(X),<br>1 * combo-port<br>(10/100/1000BaseT(X) or 100/1000BaseSFP)   | Note          | The SFP slot can only be used with Weidmüller SFP transceivers belonging to product group "SFP transceivers for use with switches of Basic-, Value- and PremiumLine". Third-party SFP transceivers are not accepted by the switch. |
| LED indicator       | Power LED: PWR1, PWR2, FAULT, 10/100/1000M   |               |  |

### MTBF

|      |                              |                          |
|------|------------------------------|--------------------------|
| MTBF | According to Standard        | Telcordia (Bellcore), GB |
|      | Operating time (hours), min. | 2823446 h                |

### Management features

|                             |                  |
|-----------------------------|------------------|
| Industrial protocol support | CC-Link IE Field |
|-----------------------------|------------------|

### Power supply

|                             |                                   |       |
|-----------------------------|-----------------------------------|-------|
| Reverse polarity protection | Available                         |       |
| Supply voltage              | 12/24/48 V DC, 2 redundant inputs |       |
| Current consumption         | 0.16 A at 24 V                    |       |
| Connection type             | 1 removable 6-pin terminal block  |       |
| Voltage supply range        | Voltage type                      | DC    |
|                             | Voltage, min.                     | 9.6 V |
|                             | Voltage, max.                     | 60 V  |

### Switch characteristics

|                     |           |                     |             |
|---------------------|-----------|---------------------|-------------|
| MAC table size      | 8 K       | Packet buffer size  | 1024 kBit   |
| Bandwidth backplane | 10 Gbit/s | Jumbo frame support | up to 10 KB |

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**Technical data**

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|                       |           |                  |  |
|-----------------------|-----------|------------------|--|
| Housing main material | Metal     | Type of mounting | DIN rail, Panel (with optional mounting kit) |
| Protection degree     | IP30      | Speed            | Gigabit Ethernet                             |
| Switch                | unmanaged |                  |  |

**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) and 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 8.0    | EC000734    | ETIM 9.0    | EC000734    |
| ETIM 10.0   | EC000734    | ECLASS 14.0 | 19-17-04-02 |
| ECLASS 15.0 | 19-17-04-02 |             |             |

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## 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 ST                       |                           |  |

### Mounting kit for wall mounting



Mounting kit for alternative wall-mounting of DIN rail-based (top-hat type) Industrial Ethernet components. IE-WALLMOUNT-KIT-30MM for use with:

- Industrial Ethernet Switches of the product range IE-SW-BL05

IE-WALLMOUNT-KIT-46MM for use with:

- Industrial Ethernet Switches of the product ranges IE-SW-BL06/BL08/VL05/VL08/VL09/VL16/PL06/PL08/PL09/PL10/PL16/PL18
- Industrial Ethernet media converters of the product range IE-MC-VL
- Industrial Ethernet switches of the product range IE-WL-AP

#### General ordering data

|            |                            |                       |  |
|------------|----------------------------|-----------------------|--|
| Type       | IE-WALLMOUNT-KIT-30MM      | Version               |  |
| Order No.  | <a href="#">1504450000</a> | Kit for wall mounting |  |
| GTIN (EAN) | 4050118312300              |                       |  |
| Qty.       | 1 ST                       |                       |  |

### SFP transceiver (for use with switches of Basic-, Value- and PremiumLine)



- Supports DDM (Digital Diagnostic Monitoring)
- IEEE 802.3z compliant (Gigabit Ethernet SFPs)
- IEEE 802.3u compliant (Fast Ethernet SFPs)
- Symmetric LVPECL I/Os (Gigabit Ethernet SFPs)
- Symmetric PECL I/Os (Fast Ethernet SFPs)
- TTL signal detection indicator
- Pluggable in operation (hot pluggable)
- Class 1 laser product, EN60825-1 compliant
- Applicable for switches of the Basic-, Value- and PremiumLine

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## Accessories

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## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | IE-SFP-1FELLC-T            | Version  |
| Order No.  | <a href="#">1241480000</a> | SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 80 km, -40       |
| GTIN (EAN) | 4050118029178              | °C...85  |
| Qty.       | 1 ST                       |  |
| Type       | IE-SFP-1FEMLC-T            | Version  |
| Order No.  | <a href="#">1241450000</a> | SFP Transceiver, 100 Mbps, Multimode, LC-Duplex, 4 km, -40 °C...85 |
| GTIN (EAN) | 4050118029192              | °C   |
| Qty.       | 1 ST                       |  |
| Type       | IE-SFP-1FESLC-T            | Version  |
| Order No.  | <a href="#">1241470000</a> | SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 40 km, -40       |
| GTIN (EAN) | 4050118029420              | °C...85 °C   |
| Qty.       | 1 ST                       |  |
| Type       | IE-SFP-1GLHXLC             | Version  |
| Order No.  | <a href="#">1241520000</a> | SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, 0        |
| GTIN (EAN) | 4050118029369              | °C...60 °C   |
| Qty.       | 1 ST                       |  |
| Type       | IE-SFP-1GLHXLC-T           | Version  |
| Order No.  | <a href="#">1286730000</a> | SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, -40      |
| GTIN (EAN) | 4050118077728              | °C...85 °C   |
| Qty.       | 1 ST                       |  |
| Type       | IE-SFP-1GLSXLC             | Version  |
| Order No.  | <a href="#">1241500000</a> | SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 2 km, 0 °C...60  |
| GTIN (EAN) | 4050118029314              | °C   |
| Qty.       | 1 ST                       |  |
| Type       | IE-SFP-1GLSXLC-T           | Version  |
| Order No.  | <a href="#">1286710000</a> | SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 2 km, -40        |
| GTIN (EAN) | 4050118077520              | °C...85 °C   |
| Qty.       | 1 ST                       |  |
| Type       | IE-SFP-1GLXLC              | Version  |
| Order No.  | <a href="#">1241510000</a> | SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 10 km, 0        |
| GTIN (EAN) | 4050118029338              | °C...60 °C   |
| Qty.       | 1 ST                       |  |
| Type       | IE-SFP-1GLXLC-T            | Version  |
| Order No.  | <a href="#">1286720000</a> | SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 10 km, -40      |
| GTIN (EAN) | 4050118077537              | °C...85 °C   |
| Qty.       | 1 ST                       |  |
| Type       | IE-SFP-1GSXLC              | Version  |
| Order No.  | <a href="#">1241490000</a> | SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 0.55 km, 0       |
| GTIN (EAN) | 4050118029512              | °C...60 °C   |
| Qty.       | 1 ST                       |  |
| Type       | IE-SFP-1GSXLC-T            | Version  |
| Order No.  | <a href="#">1286700000</a> | SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 0.55 km, -40     |
| GTIN (EAN) | 4050118077261              | °C...85 °C   |
| Qty.       | 1 ST                       |  |

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## Accessories

### 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> |         |  |
| GTIN (EAN) | 4050118153002              |         |  |
| Qty.       | 1 ST                       |         |  |
|            |                            |         | Terminal rail fixing, Surge protection, Cat.6, PoE, 802.3 bt at Type 1, 802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4 |