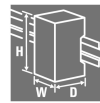


**IE-SW-BL05-5TX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 (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, Fast Ethernet, Number of ports: 5x RJ45, IP30, -10 °C...60 °C |
| Order No.  | <a href="#">1240840000</a>                                                               |
| Type       | IE-SW-BL05-5TX                                                                           |
| GTIN (EAN) | 4050118028737                                                                            |
| Qty.       | 1 ST                                                                                     |

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

Certificate no. (cULusEX) E223527

## Dimensions and weights

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 70 mm  | Depth (inches)  | 2.7559 inch |
| Height     | 115 mm | Height (inches) | 4.5275 inch |
| Width      | 30 mm  | Width (inches)  | 1.1811 inch |
| Net weight | 175 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 ec IIC T4 Gc, EN IEC 60079-0, EN IEC 60079-7                                                                                                                                                                             | Free fall | According to IEC 60068-2-32 |
| EMC standards       | EN 55032, EN 55035, 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 - 6 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 PFMF: 100A/m | Vibration | according to IEC 60068-2-6  |
| Shock               | according to IEC 60068-2-27                                                                                                                                                                                                                                                                | Ship use  | DNV                         |
| Safety standard     | UL 61010-1, UL 61010-2-201, EN 62368-1                                                                                                                                                                                                                                                     |           |                             |

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## Technical data

## Environmental conditions

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

## Guarantee

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

## Interfaces

|                 |                                                                               |                     |                                                                                       |
|-----------------|-------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------|
| RJ45 ports      | 10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port | Function DIP switch | Broadcast storm protection enable/disable, QoS (on/off), MAC frame filtering (on/off) |
| Number of ports | 5x RJ45                                                                       | LED indicator       | PWR1, PWR2, 10/100M (TP-Port)                                                         |

## MTBF

|      |                              |                  |
|------|------------------------------|------------------|
| MTBF | According to Standard        | Telcordia SR-332 |
|      | Operating time (hours), min. | 3969664 h        |
|      | Ambient temperature          | 25 °C            |

## Management features

|                        |                                                                     |                             |                                             |
|------------------------|---------------------------------------------------------------------|-----------------------------|---------------------------------------------|
| Network traffic filter | Quality of Service (QoS), MAC frame filtering (LLDP frame blocking) | Industrial protocol support | PROFINET device acc. to conformance class A |
|------------------------|---------------------------------------------------------------------|-----------------------------|---------------------------------------------|

## Power supply

|                             |                                   |       |
|-----------------------------|-----------------------------------|-------|
|                             |                                   |       |
| Reverse polarity protection | Available                         |       |
| Voltage supply              | 12/24/48 V DC, 2 redundant inputs |       |
| Current consumption         | 0.1 A at 24 V                     |       |
| Overload current protection | 1.1 A                             |       |
| Connection type             | 1 removable 4-pin terminal block  |       |
| Voltage supply range        | Voltage type                      | DC    |
|                             | Voltage, min.                     | 9.6 V |
|                             | Voltage, max.                     | 60 V  |

## Switch characteristics

|                    |          |                     |          |
|--------------------|----------|---------------------|----------|
| Priority queues    | 4        | MAC table size      | 2 K      |
| Packet buffer size | 768 kBit | Bandwidth backplane | 1 Gbit/s |

## Technical data

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

## IE-SW-BL05-5TX

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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 802.3 for 10BaseT,<br>IEEE 802.3u for<br>100BaseT(X), IEEE<br>802.3x for flow control,<br>IEEE 802.1p for Class<br>of Service / Quality of<br>Service (CoS/QoS) |              |                                                         |

## Classifications

| ETIM 6.0    | EC000734    | ETIM 7.0    | EC000734    |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000734    | ETIM 9.0    | EC000734    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 19-17-04-02 |
| ECLASS 15.0 | 19-17-04-02 |             |             |

## IE-SW-BL05-5TX

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## Accessories

## Mounting kit for 19" rack assembly

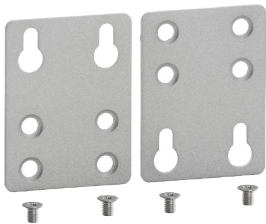
- For assembling DIN rail-based devices on 19" racks



## 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                       |                       |

## 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

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****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 ST                       |                                                                         |