

**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 (multimode 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,<br>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 pc(s).                                                                                    |

## IE-SW-BL05-5TX

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 70 mm  | Depth (inches)  | 2.756 inch |
| Height     | 115 mm | Height (inches) | 4.528 inch |
| Width      | 30 mm  | Width (inches)  | 1.181 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

|            |                |      |                                 |
|------------|----------------|------|---------------------------------|
| REACH SVHC | Lead 7439-92-1 | SCIP | 9229992a-00b9-4096-8962-200a7f3 |
|------------|----------------|------|---------------------------------|

## 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 to 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                                                                                                                                                                                                                                                              | Safety standard     | 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                     |                             |       |

## Guarantee

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

## Interfaces

|                     |                                                          |               |                                                                               |
|---------------------|----------------------------------------------------------|---------------|-------------------------------------------------------------------------------|
| Function DIP switch | 1x for enabling/disabling the broadcast storm protection | LED indicator | PWR1, PWR2, 10/100M (TP-Port)                                                 |
| Number of ports     | 5x RJ45                                                  | RJ45 ports    | 10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port |

Creation date September 30, 2022 5:16:52 AM CEST

## IE-SW-BL05-5TX

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## MTBF

|      |                              |                          |
|------|------------------------------|--------------------------|
| MTBF | According to Standard        | Telcordia (Bellcore), GB |
|      | Operating time (hours), min. | 3,040,784 h              |

## Power supply

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

## Switch characteristics

|                     |          |                |     |
|---------------------|----------|----------------|-----|
| Bandwidth backplane | 1 Gbps   | MAC table size | 1 K |
| Packet buffer size  | 512 Kbit |                |     |

## Technical data

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

## 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 802.3x<br>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 |

## IE-SW-BL05-5TX

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

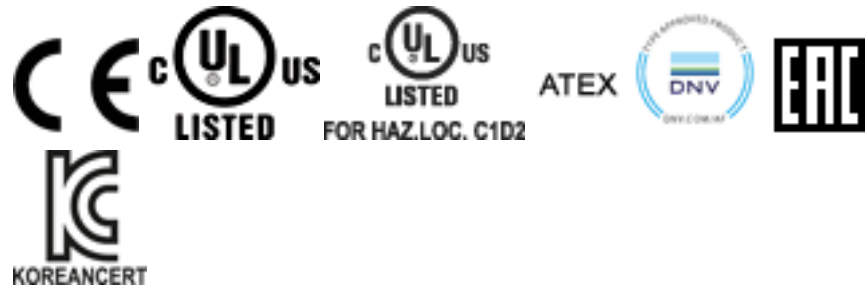
Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



|                           |            |
|---------------------------|------------|
| ROHS                      | Conform    |
| UL File Number Search     | UL Website |
| Certificate no. (cULus)   | E141197    |
| Certificate no. (cULusEX) | E223527    |

## Downloads

|                                             |                                                                                                                                                       |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DNV certificate</a><br><a href="#">ATEX certificate</a><br><a href="#">KC certificate</a><br><a href="#">EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                       |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                              |
| Product Change Notification                 | <a href="#">Product Change Notification IE-SW-BL05-series</a>                                                                                         |
| User Documentation                          | <a href="#">Hardware Installation Guide</a>                                                                                                           |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                              |