

**IE-SW-BLB-05-5GT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Features of BasicLine Series B Switches**

- Support real time communication e.g. in PROFINET networks due to the "Quality of Service" and "LLDP frame blocking" functionality – "PROFINET Conformance Class A"
- Large number of certifications to fit any requirements of mechanical and EMC influences, ideal for application areas such as offshore, process or mining
- Optimized DIN-rail clip as well as Push-In Connectors for fast and easy installation
- Covers the most common port combinations with RJ45 and SFP ports for flexible usage
- AC/DC power supply input
- Network availability is strongly increased thanks to Broadcast Storm Protection
- Energy Efficient Ethernet and plastic-free packaging

**General ordering data**

|                   |                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------|
| Version           | Network switch, unmanaged, Gigabit Ethernet, Number of ports: 5x RJ45, IP30, -40 °C...75 °C |
| Order No.         | <a href="#">2908070000</a>                                                                  |
| Type              | IE-SW-BLB-05-5GT                                                                            |
| GTIN (EAN)        | 4099986848078                                                                               |
| Qty.              | 1 pc(s).                                                                                    |
| Replacement parts | <a href="#">1013450000</a>                                                                  |

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## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 70 mm  | Depth (inches)  | 2.756 inch |
| Height     | 114 mm | Height (inches) | 4.488 inch |
| Width      | 26 mm  | Width (inches)  | 1.024 inch |
| Net weight | 272 g  |                 |            |

## Temperatures

|                     |                            |                       |                |
|---------------------|----------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C             | Operating temperature | -40 °C...75 °C |
| Humidity            | 5 to 95 % (non-condensing) |                       |                |

## EMC conformity and approvals

|               |                                                                                                                                                                                                                                                                                                                                                           |                     |                                                                                                                |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------|
| EMC standards | EN IEC 61000-6-2, EN IEC 61000-6-4, 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 61000-4-3 RS: 1.4 GHz to 6 GHz: 3 V/m, IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 Vrms, IEC 61000-4-8 PFMF: 30 A/m | Explosive risk zone | EN IEC 60079-0, EN IEC 60079-7, UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex ec IIC T4 Gc |
| Free fall     | According to IEC 60068-2-31                                                                                                                                                                                                                                                                                                                               | Safety standard     | UL 61010-1, UL 61010-2-201                                                                                     |
| Shock         | according to IEC 60068-2-27                                                                                                                                                                                                                                                                                                                               | Vibration           | according to IEC 60068-2-6                                                                                     |

## Environmental conditions

|                             |                            |         |  |
|-----------------------------|----------------------------|---------|--|
| Humidity                    | 5 to 95 % (non-condensing) |         |  |
| Operating altitude          | Altitude, max.             | 2,000 m |  |
| Operating temperature, max. | 75 °C                      |         |  |
| Operating temperature, min. | -40 °C                     |         |  |
| Storage temperature, max.   | 85 °C                      |         |  |
| Storage temperature, min.   | -40 °C                     |         |  |

## Guarantee

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

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## Technical data

## Interfaces

|                     |                                                                                                                                                   |               |                                                                                    |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------|
| Function DIP switch | QoS (on/off), Broadcast storm protection enable/disable, MAC frame filtering (on/off), Activate/deactivate IEEE 802.3az energy-efficient Ethernet | LED indicator | Power LED: PWR1, PWR2, Port LED: LNK/ACT, 10/100/1000M (RJ45 port)                 |
| Number of ports     | 5x RJ45                                                                                                                                           | RJ45 ports    | 10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port |

## MTBF

|      |                              |                  |
|------|------------------------------|------------------|
| MTBF | According to Standard        | Telcordia SR-332 |
|      | Operating time (hours), min. | 1,404,396 h      |
|      | According to Standard        | Telcordia SR-332 |

## 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

|                             |                                            |       |
|-----------------------------|--------------------------------------------|-------|
| Connection type             | 1 removable 4-pin terminal block           |       |
| Current consumption         | 0.1 A                                      |       |
| Current consumption         | Voltage                                    | 24 V  |
|                             | Current                                    | 0.1 A |
|                             | Voltage type                               | DC    |
| Overload current protection | Yes                                        |       |
| Reverse polarity protection | Yes                                        |       |
| Voltage supply              | 12/24/48 V DC, 24 V AC, 2 redundant inputs |       |
| Voltage supply range        | Voltage type                               | DC    |
|                             | Voltage, min.                              | 9 V   |
|                             | Voltage, max.                              | 60 V  |
|                             | Voltage type                               | AC    |
|                             | Voltage, min.                              | 18 V  |
|                             | Voltage, max.                              | 30 V  |

## Switch characteristics

|                     |           |                                |            |
|---------------------|-----------|--------------------------------|------------|
| Bandwidth backplane | 10 Gbit/s | Jumbo frame support            | up to 9 KB |
| MAC table size      | 4 K       | Max. number of available VLANs | 0          |
| Packet buffer size  | 1 Mbit    |                                |            |

## Technical data

|                       |                  |                   |           |
|-----------------------|------------------|-------------------|-----------|
| Housing main material | Metal            | Protection degree | IP30      |
| Speed                 | Gigabit Ethernet | Switch            | unmanaged |
| Type of mounting      | DIN rail         |                   |           |

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## Technical data

## Technology

| Data switching | Store and Forward                                                                                                                                                                                                       | Flow control | IEEE 802.3x flow control |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------|
| Standard       | IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX, IEEE 802.3ab for 1000BASE-T, IEEE 802.3x for flow control, IEEE 802.3az Energy-Efficient Ethernet, IEEE 802.1p for Class of Service / Quality of Service (CoS/QoS) |              |                          |

## Classifications

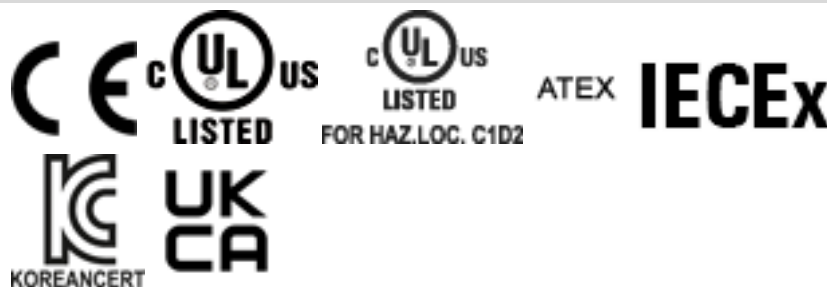
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000734    | ETIM 7.0    | EC000734    |
| ETIM 8.0    | EC000734    | ETIM 9.0    | EC000734    |
| ECLASS 9.0  | 19-17-01-06 | ECLASS 9.1  | 19-17-01-06 |
| ECLASS 10.0 | 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 |             |             |

## Environmental Product Compliance

|                        |                       |
|------------------------|-----------------------|
| RoHS Compliance Status | Compliant             |
| REACH SVHC             | No SVHC above 0.1 wt% |

## Approvals

Approvals



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

## Downloads

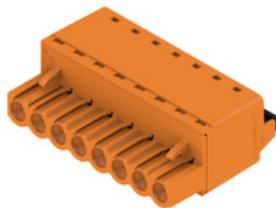
|                                             |                                                                                                                                                                                                                                                          |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">KC certificate</a><br><a href="#">IECEx certificate</a><br><a href="#">ATEX certificate</a><br><a href="#">EU Declaration of Conformity</a><br><a href="#">RCM Declaration of Conformity</a><br><a href="#">UK Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                          |
| User Documentation                          | <a href="#">Quick start guide – Hardware Installation Guide</a>                                                                                                                                                                                          |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                 |

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[www.weidmueller.com](http://www.weidmueller.com)**Replacement parts****BLF 5.08HC/180 SN**

Just as reliable as the millionfold proven original and featuring innovative details:

The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.

In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

**General ordering data**

| Type       | BLF 5.08HC/04/180 SN BK ... | Version                                                                       | Product data                                  | Packaging |
|------------|-----------------------------|-------------------------------------------------------------------------------|-----------------------------------------------|-----------|
| Order No.  | <a href="#">1013450000</a>  | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 4,              | IEC: 400 V / 24 A / 0.2 - 2.5 mm <sup>2</sup> | Box       |
| GTIN (EAN) | 4032248721603               | 180°, PUSH IN with actuator, Clamping range, max.: 3.31 mm <sup>2</sup> , Box | UL: 300 V / 18.5 A / AWG 26 - AWG             |           |
| Qty.       | 90 pc(s).                   |                                                                               | 12                                            |           |

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[www.weidmueller.com](http://www.weidmueller.com)**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 pc(s).                   |                           |