

## IE-SW-VL08-8GT

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

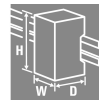
D-32758 Detmold

Germany

www.weidmueller.com

## Product image





- Wide ranges of variations with 5 to 16 ports
- Variations for Gigabit Ethernet
- Two redundant power inputs 12/24/48 V DC
- Models 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: 8 * RJ45 10/100/1000BaseT(X), IP30, -10 °C...60 °C |
| Order No.           | <a href="#">1241270000</a>   |
| Type                | IE-SW-VL08-8GT   |
| GTIN (EAN)          | 4050118029284  |
| Qty.                | 1 items  |
| Delivery status     | This article will no longer be available in the future.  |
| Available until     | 2027-01-30T00:00:00+01:00  |
| Alternative product | <a href="#">IE-SW-BLB-08-8GT</a>   |

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      | 52.85 mm | Width (inches)  | 2.0807 inch |
| Net weight | 850 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) | 6c, 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 nC IIC T4 Gc, EN IEC 60079-0, EN IEC 60079-15, EN IEC 60079-7   | 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 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    | 10/100/1000BaseT(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 |
| Alarm contact | 1 relay output with a current capacity of 1 A at 24 V DC                           | Number of ports     | 8 * RJ45<br>10/100/1000BaseT(X)  |
| LED indicator | Power LED: PWR1, PWR2, FAULT, 10/100/1000M   |                     |  |

### MTBF

|      |                              |                          |
|------|------------------------------|--------------------------|
| MTBF | According to Standard        | Telcordia (Bellcore), GB |
|      | Operating time (hours), min. | 2398736 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         | 0.32 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  | 4000 kBit    |
| Bandwidth backplane | 16 Gbit/s | Jumbo frame support | up to 9.6 KB |

### Technical data

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

## 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, IEEE 802.3u for 100BaseT(X), IEEE 802.3ab for 1000BaseT(X), 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                       |                           |  |

## 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> | 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 |  |
| GTIN (EAN) | 4050118153002              |  |  |
| Qty.       | 1 ST                       |  |  |