IE-SW-BL05-4GT-1GS

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, 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.	2435400000
Type	IE-SW-BL05-4GT-1GS
GTIN (EAN)	4050118447224
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	IE-SW-BLB-05-4GT-1GESFP

Creation date 07.03.2026 05:21:36 MEZ

IE-SW-BL05-4GT-1GS

Technical data

Approvals

Approvals	
	CE, cULus LISTED, cULus LISTED FOR HAZ.LOC. C1D2, ATEX, DNV, KOREANCERT, UKCA
ROHS	Conform
UL File Number Search	UL Website
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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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 10/100/1000BaseT(X), 1 * combo-port (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		

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.	1241440000	Kit for 19"-rack mounting
GTIN (EAN)	4050118029154	
Qty.	1 ST	

Mounting kit for wall mounting
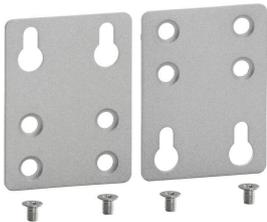
Mounting kit for alternative wall-mounting of DIN rail-based (top-hat type) Industrial Ethernet components. IE-WALLMOUNT-KIT-30MM for use with:
• Industrial Ethernet Switches of the product range IE-SW-BL05

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.	1504450000	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

General ordering data

Type	IE-SFP-1FELLC-T	Version	
Order No.	1241480000	SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 80 km, -40 °C...85	
GTIN (EAN)	4050118029178		
Qty.	1 ST		
Type	IE-SFP-1FEMLC-T	Version	
Order No.	1241450000	SFP Transceiver, 100 Mbps, Multimode, LC-Duplex, 4 km, -40 °C...85 °C	
GTIN (EAN)	4050118029192		
Qty.	1 ST		
Type	IE-SFP-1FESLC-T	Version	
Order No.	1241470000	SFP Transceiver, 100 Mbps, Singlemode, LC-Duplex, 40 km, -40 °C...85 °C	
GTIN (EAN)	4050118029420		
Qty.	1 ST		
Type	IE-SFP-1GLHXLC	Version	
Order No.	1241520000	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, 0 °C...60 °C	
GTIN (EAN)	4050118029369		
Qty.	1 ST		
Type	IE-SFP-1GLHXLC-T	Version	
Order No.	1286730000	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 40 km, -40 °C...85 °C	
GTIN (EAN)	4050118077728		
Qty.	1 ST		
Type	IE-SFP-1GLSXLC	Version	
Order No.	1241500000	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 2 km, 0 °C...60 °C	
GTIN (EAN)	4050118029314		
Qty.	1 ST		
Type	IE-SFP-1GLSXLC-T	Version	
Order No.	1286710000	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 2 km, -40 °C...85 °C	
GTIN (EAN)	4050118077520		
Qty.	1 ST		
Type	IE-SFP-1GLXLC	Version	
Order No.	1241510000	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 10 km, 0 °C...60 °C	
GTIN (EAN)	4050118029338		
Qty.	1 ST		
Type	IE-SFP-1GLXLC-T	Version	
Order No.	1286720000	SFP Transceiver, 1000 Mbps, Singlemode, LC-Duplex, 10 km, -40 °C...85 °C	
GTIN (EAN)	4050118077537		
Qty.	1 ST		
Type	IE-SFP-1GSXLC	Version	
Order No.	1241490000	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 0.55 km, 0 °C...60 °C	
GTIN (EAN)	4050118029512		
Qty.	1 ST		
Type	IE-SFP-1GSXLC-T	Version	
Order No.	1286700000	SFP Transceiver, 1000 Mbps, Multimode, LC-Duplex, 0.55 km, -40 °C...85 °C	
GTIN (EAN)	4050118077261		
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.	1348590000	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	