

Industrial Ethernet IE-SW-BL06-4POE-2ST

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Product image



- 4 x IEEE 802.3af/at compliant PoE ports
- 12/24/48 VDC redundant wide-range power supply
- Integrated DC/DC converter for supplying 48 V PoE devices over the entire input voltage range from 12 to 57 VDC
- Intelligent power consumption detection and classification
- Variations with copper and fibre-optic interface (multimode and singlemode)

General ordering data

Type	IE-SW-BL06-4POE-2ST
Order No.	1504230000
Version	Network switch, unmanaged PoE, Fast Ethernet, Number of ports: 4x RJ45 10/100 BaseT(X) PoE+, 2 * ST Multi-mode, IP30, 0 °C...60 °C
GTIN (EAN)	4050118312331
Qty.	1 pc(s).

Creation date May 4, 2020 2:42:13 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Width	50 mm	Width (inches)	1.969 inch
Height	115 mm	Height (inches)	4.528 inch
Depth	70 mm	Depth (inches)	2.756 inch
Net weight	375 g		

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

EMC conformity and approvals

EMC standards	FCC Part 15 Subpart B Class A, EN 55022 Class A, EN 61000-4-2 (ESD), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-4 (EFT), level 4, EN 61000-4-5 (surge), level 4, EN 61000-4-6 (CS), Stage 3, EN 61000-4-8	Safety standard	UL 508
Shock	according to IEC 60068-2-27	Vibration	according to IEC 60068-2-6
Free fall	According to IEC 60068-2-32		

Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	60 °C
Operating temperature, min.	0 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Fibre optic transceiver characteristics

Transmission rate	100 Mbps		
Transceiver type	Multimode		
Connector type	ST-Duplex		
Transmission distance, typ.	5 km		
Wavelength	typ.	1,300 nm	
	Wavelength	TX	
	min.	1,260 nm	
	max.	1,360 nm	
	Wavelength	RX	
	min.	1,100 nm	
Receive power	min.	-32 dBm	
	max.	-3 dBm	
Transmission power	min.	-20 dBm	
	max.	-10 dBm	
Link-budget	12 dB		

Guarantee

Time interval 5 years

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Technical data**Interfaces**

DIP switch	1x for enabling/disabling the broadcast storm protection	Fibre-optic ports	100BaseFX ports (ST connector), Multimode
LED indicator	PWR1, PWR2, 10/100M (TP-Port), 100M (fibre-optic port), PoE	Number of ports	4x RJ45 10/100 BaseT(X) PoE+, 2 * ST Multi-mode
PoE pin assignment	V-, V-, V+, V+ for pin 1, 2, 3, 6 (endspan, MDI-X alternative A)	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

MTBF

MTBF	645,138 hrs	Database	Telcordia (Bellcore), GB
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Power supply

Connection type	1 removable 4-pin terminal block		
Current consumption	5.5 A with 24 V DC (at full PoE+ load), 2.6 A with 48 V DC (at full PoE+ load)		
Overload current protection	Yes		
Reverse polarity protection	Yes		
Voltage supply	24/48 V DC, 2 redundant inputs		
Voltage supply range	Voltage type	DC	
	Voltage, min.	20 V	
	Voltage, max.	57 V	

Switch characteristics

MAC table size	1 K	Packet buffer size	512 Kbit
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Technical data

Housing main material	Aluminium	Protection degree	IP30
Type of mounting	DIN rail, Panel (with optional mounting kit)		

Technology

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control, Back pressure flow control
Standard	IEEE 802.3af for Power-over-Ethernet, IEEE 802.3at for Power-over-Ethernet, IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for flow control		

Classifications

ETIM 6.0	EC000734	ETIM 7.0	EC000734
eClass 9.0	19-17-01-06	eClass 9.1	19-17-01-06
eClass 10.0	19-17-04-02		

Data sheet**Industrial Ethernet
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Technical data**Approvals**

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
Brochure/Catalogue	CAT 9 IETH 18/19 EN
Engineering Data	EPLAN_WSCAD
Engineering Data	STEP
Product Change Notification	Product Change Notification IE-SW-BL06-PoE-series
User Documentation	Hardware Installation Guide

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Accessories

ST



Mounting rail outlet, ST junction design according to IEC 61754-2

General ordering data

Type	IE-XM-ST/ST	Version
Order No.	8808340000	Mounting rail outlet, fibre-optic, ST-ST coupler, IP20
GTIN (EAN)	4032248505920	
Qty.	1 pc(s).	

Mounting kit for 19" rack assembly

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



General ordering data

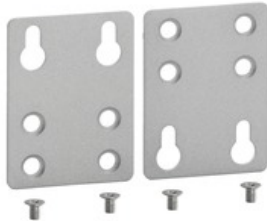
Type	RM-KIT	Version
Order No.	1241440000	Kit for 19"-rack mounting
GTIN (EAN)	4050118029154	
Qty.	1 pc(s).	

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Accessories

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-46MM
Order No.	1504440000
GTIN (EAN)	4050118312317
Qty.	1 pc(s).

Ethernet (Cat.6)



- 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, 1 A, According to IEC61643-21	
GTIN (EAN)	4050118153002		
Qty.	1 pc(s).		