

IE-SW-BL06-1TX-4POE-1SC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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 (multi-mode and singlemode)

General ordering data

Version	Network switch, unmanaged PoE, Fast Ethernet, Number of ports: 1 * RJ45 10/100BaseT(X), 4x RJ45 10/100 BaseT(X) PoE+, 1 * SC Multi-mode, IP30, -10 °C...60
Order No.	1504250000
Type	IE-SW-BL06-1TX-4POE-1SC
GTIN (EAN)	4050118312355
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-06-01
Alternative product	2682390000

Creation date May 3, 2024 5:26:01 AM CEST

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Technical data

Dimensions and weights

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

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-10 °C...60
Humidity	5 to 95 % (non-condensing)		

EMC conformity and approvals

EMC standards	FCC Part 15 Subpart B Class A, EN 55032, EN 55024, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 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, EN 61000-4-8	Free fall	
Safety standard	UL 508	Shock	According to IEC 60068-2-32 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
Operating temperature, min.	-10 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Fibre optic transceiver characteristics

Transmission rate	100 Mbps		
Transceiver type	Multimode		
Connector type	SC-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		

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Technical data

Guarantee

Time interval	5 years
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Interfaces

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

MTBF

MTBF	According to Standard	Telcordia (Bellcore), GB
	Operating time (hours), min.	1,289,258 h

Power over Ethernet (PoE)

PoE output current	Standard	IEEE 802.3af
	Output current	350 mA
	Standard	IEEE 802.3at
	Output current	600 mA
PoE output power	Standard	IEEE 802.3af
	Output power	15.4 W
	Standard	IEEE 802.3at
	Output power	30 W
PoE pin assignment	Mode A: Pin 1, 2 (V+); Pin 3, 6 (V-); Alternative A; MDI	
Total PoE power budget	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	17 V
	Power budget	62 W
	Voltage type	DC
	Voltage, min.	18 V
	Voltage, max.	57 V
	Power budget	120 W

Power supply

Connection type	1 removable 4-pin terminal block	
Current consumption	Voltage	12 V
	Current	6.19 A
	Voltage	24 V
	Current	5.55 A
	Voltage	48 V
	Current	2.71 A
Inrush current	64.56 A at 48 V DC (0.1 to 1 ms)	
Overload current protection	Yes	
Power consumption	max. 13.2 W (without PD's consumption)	
Power loss	36.4 BTU/h	
Reverse polarity protection	Yes	
Voltage supply	12/24/48 V DC, 2 redundant inputs	

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Voltage supply range	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	57 V

Switch characteristics

MAC table size	2 K	Packet buffer size	768 kBit
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Technical data

Housing main material	Aluminium	Protection degree	IP30
Speed	Fast Ethernet	Switch	unmanaged PoE
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
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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

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Technical data

Downloads

Approval/Certificate/Document of Con-
formity

[EU Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

Product Change Notification

[Product Change Notification IE-SW-BL06-PoE-series](#)

User Documentation

[Hardware Installation Guide](#)

Catalogues

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Brochures

IE-SW-BL06-1TX-4POE-1SC**Weidmüller Interface GmbH & Co. KG**

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www.weidmueller.com**Accessories****SC-Duplex**

Mounting rail outlet, SC duplex junction design according to IEC 61754-4

General ordering data

Type	IE-TO-SCD-MM	Version
Order No.	8946970000	Mounting rail outlet, fibre-optic, SC duplex, Multimode, GOF, POF, IP20
GTIN (EAN)	4032248734979	
Qty.	10 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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www.weidmueller.com**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 pc(s).	