IE-SW-BL06-1TX-4POE-1ST

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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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 (multimode 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 * ST Multi-mode, IP30, 0 °C...60 °C
Order No.	1504270000
Type	IE-SW-BL06-1TX-4POE-1ST
GTIN (EAN)	4050118312249
Qty.	1 pc(s).

Creation date November 4, 2021 1:27:12 AM CET

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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	0 °C...60 °C
Humidity	5 to 95 % (non-condensing)		

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	Free fall	According to IEC 60068-2-32
Safety standard	UL 508	Shock	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 °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
	max.	1,600 nm
Receive power	min.	-32 dBm
	max.	-3 dBm
Transmission power	min.	-20 dBm
	max.	-10 dBm

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Link-budget	12 dB

Guarantee

Time interval	5 years

Interfaces

Fibre-optic ports	100BaseFX ports (ST 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 * ST 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.	645,138 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	V-, V-, V+, V+ for pin 1, 2, 3, 6 (endspan, MDI-X alternative A)	
Total PoE power budget	Voltage type	DC
	Voltage, min.	20 V
	Voltage, max.	57 V
	Power budget	120 W

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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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	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		

Approvals

Approvals	
ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
Product Change Notification	Product Change Notification IE-SW-BL06-PoE-series
User Documentation	Hardware Installation Guide
Catalogues	Catalogues in PDF-format
Brochures	