

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 * ST Multi-mode, IP30, 0 °C...60
Order No.	<a href="#">1504270000</a>
Type	IE-SW-BL06-1TX-4POE-1ST
GTIN (EAN)	4050118312249
Qty.	1 pc(s).
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2022-06-01
Alternative product	<a href="#">2682390000</a>

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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
Humidity	5 to 95 % (non-condensing)		

**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
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		

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**Technical data****Guarantee**

Time interval	5 years
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**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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## Technical data

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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	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

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">Product Change Notification IE-SW-BL06-PoE-series</a>
User Documentation	<a href="#">Hardware Installation Guide</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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[www.weidmueller.com](http://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.	<a href="#">1348590000</a>	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).	

**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 pc(s).	

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

**General ordering data**

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