

**Industrial Ethernet
IE-SW-BL06-2TX-4POE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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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-BL06-2TX-4POE
Order No.	1241380000
Version	Network switch, unmanaged PoE, Fast Ethernet, Number of ports: 2 * RJ45 10/100 BaseT(X), 4 * RJ45 10/100 BaseT(X) PoE+, IP30, -10 °C...60 °C
GTIN (EAN)	4050118029093
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	50 mm	Width (inches)	1.969 inch
Height	114 mm	Height (inches)	4.488 inch
Depth	70 mm	Depth (inches)	2.756 inch
Net weight	375 g		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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	
Security	UL508	Shock	according to IEC 60068-2-32
Vibration	according to IEC 60068-2-6		according to IEC 60068-2-27

Environmental conditions

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

Guarantee

Time interval	5 years
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Interfaces

DIP switch	Broadcast storm protection enable/disable	LED indicator	PWR1, PWR2, 10/100M (TP-Port), PoE
Number of ports	2 * RJ45 10/100 BaseT(X), 4 * RJ45 10/100 BaseT(X) PoE+	PoE pin assignment	Mode A: Pin 1, 2 (V+); Pin 3, 6 (V-); Alternative A; MDI
RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port		

MTBF

MTBF	1,398,743 hrs	MTBF	Telcordia (Bellcore), GB
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Power supply

Connection type	1 removable 4-pin terminal block	Current consumption	6.19 A at 12 V DC, 5.55 A at 24 V DC, 2.71 A at 48 V DC
Inrush current	64.56 A at 48 V DC (0.1 to 1 ms)	Max. power output (PoE)	62 W at 12 V DC (12 to 17 V DC), 120 W at 24/48 V DC (18 to 57 V DC)
Overload current protection	Existing	Power consumption	max. 13.2 W (without PD's consumption)
Power loss	36.4 BTU/h	Reverse polarity protection	Available
Supply voltage, max	57 V DC	Supply voltage, min.	12 V DC
Voltage supply	12/24/48 V DC, 2 redundant inputs		

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
Type of mounting	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), IEEE 802.3x for flow control		

Classifications

ETIM 4.0	EC002598	ETIM 5.0	EC002598
ETIM 6.0	EC000734	eClass 6.2	19-17-01-06
eClass 7.1	19-17-01-06	eClass 8.1	19-17-01-06
eClass 9.0	19-17-01-06	eClass 9.1	19-17-01-06

Approvals

Approvals



ROHS Conform

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Technical data

Downloads

Approval/Certificate/Document of
Conformity

[EU Declaration of Conformity](#)

Brochure/Catalogue

[CAT 9 IETH 15/16 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

Product Change Notification

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

User Documentation

[Hardware Installation Guide](#)