

IE-SW-BL06-4POE-2SC
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: 4x RJ45 10/100 BaseT(X) PoE+, 2x SC Multi-mode, IP30, 0 °C...60
Order No.	1504210000
Type	IE-SW-BL06-4POE-2SC
GTIN (EAN)	4050118312195
Qty.	1 items
Delivery status	Discontinued
Available until	2022-06-01T00:00:00+02:00
Alternative product	IE-SW-EL06-4POE-2SC

IE-SW-BL06-4POE-2SC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

Dimensions and weights

Depth	70	Depth (inches)	2.7559 inch
Height	115 mm	Height (inches)	4.5275 inch
Width	50 mm	Width (inches)	1.9685 inch
Net weight	375 g		

Temperatures

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

Environmental Product Compliance

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

EMC conformity and approvals

Free fall	According to IEC 60068-2-32	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
Vibration	according to IEC 60068-2-6	Shock	according to IEC 60068-2-27
Safety standard	UL 508		

Environmental conditions

Operating temperature, max.	60	Operating temperature, min.	0 °C
Humidity	5 to 95 % (non-condensing)	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. 1300 nm

IE-SW-BL06-4POE-2SC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Receive power	Wavelength	TX
	min.	1260 nm
	max.	1360 nm
	Wavelength	RX
	min.	1100 nm
	max.	1600 nm
Transmission power	min.	-32 dBm
	max.	-3 dBm
Link-budget	min.	-20 dBm
	max.	-10 dBm
Link-budget	12 dB	

Guarantee

Time interval	5 years
---------------	---------

Interfaces

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

MTBF

MTBF	According to Standard	Telcordia (Bellcore), GB
	Operating time (hours), min.	645138 h

Power over Ethernet (PoE)

PoE output power	Standard	IEEE 802.3af
	Output power	15.4 W
	Standard	IEEE 802.3at
	Output power	30 W
PoE output current	Standard	IEEE 802.3af
	Output current	350 mA
	Standard	IEEE 802.3at
	Output current	600 mA
Total PoE power budget	Voltage type	DC
	Voltage, min.	20 V
	Voltage, max.	57 V
	Power budget	120 W
PoE pin assignment	V-, V-, V+, V+ for pin 1, 2, 3, 6 (endspan, MDI-X alternative A)	

Power supply

Reverse polarity protection	Yes	
Supply voltage	24/48 V DC, 2 redundant inputs	
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	
Connection type	1 removable 4-pin terminal block	
Voltage supply range	Voltage type	DC
	Voltage, min.	20 V

IE-SW-BL06-4POE-2SC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Voltage, max.

57 V

Switch characteristics

MAC table size	1 K	Packet buffer size	512 kBit
----------------	-----	--------------------	----------

Technical data

Housing main material	Aluminium	Type of mounting	DIN rail, Panel (with optional mounting kit)
Protection degree	IP30	Speed	Fast Ethernet
Switch	unmanaged PoE		

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 8.0	EC000734	ETIM 9.0	EC000734
ETIM 10.0	EC000734	ECLASS 14.0	19-17-04-02
ECLASS 15.0	19-17-04-02		

IE-SW-BL06-4POE-2SC

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

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,
GTIN (EAN)	4032248734979	IP20
Qty.	10 ST	

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 ST	

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 ST	