

Industrial Ethernet IE-SW-BL08T-6TX-2SCS

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Product image



- Variations with 5 or 8 ports
- Variations for Gigabit Ethernet
- Sturdy metal housing
- Compact design
- Two redundant power inputs 12/24/48 V DC
- Variations with copper and fibre-optic interface (multimode and singlemode)
- Extensive approvals: CE, FCC, cULus, Class I Div. 2 / ATEX Zone 2, DNV-GL

General ordering data

Type	IE-SW-BL08T-6TX-2SCS
Order No.	1412120000
Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 6x RJ45, 2x SC Single-mode, IP30, -40 °C...75 °C
GTIN (EAN)	4050118212693
Qty.	1 pc(s).

Creation date May 3, 2020 9:41:37 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

**Industrial Ethernet
IE-SW-BL08T-6TX-2SCS**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Dimensions and weights**

Width	50 mm	Width (inches)	1.969 inch
Height	115 mm	Height (inches)	4.528 inch
Depth	70 mm	Depth (inches)	2.756 inch
Net weight	275 g		

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

EMC conformity and approvals

EMC standards	EN 55032, EN 55024, CISPR 32, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz to 1 Ghz: 10 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, IEC 61000-4-8	Safety standard	UL508
Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA IIC T4 Gc	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6	Free fall	According to IEC 60068-2-32

Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	75 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Fibre optic transceiver characteristics

Transmission rate	100 Mbps	
Transceiver type	Singlemode	
Connector type	SC-Duplex	
Transmission distance, typ.	40 km	
Wavelength	typ.	1,310 nm
	Wavelength	TX
	min.	1,280 nm
	max.	1,340 nm
	Wavelength	RX
	min.	1,100 nm
Receive power	min.	-34 dBm
	max.	-3 dBm
Transmission power	min.	-5 dBm
	max.	0 dBm
Link-budget	29 dB	

Creation date May 3, 2020 9:41:37 AM CEST

Industrial Ethernet IE-SW-BL08T-6TX-2SCS

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Guarantee

Time interval 5 years

Interfaces

DIP switch	1x for enabling/disabling the broadcast storm protection	Fibre-optic ports	100BaseFX ports (SC connector), Singlemode
LED indicator		Note 1	When connecting a single-mode fiber transceiver over a short distance, we recommend using an attenuator to prevent the transceiver from being damaged by excessive optical power.
Number of ports	PWR1, PWR2, 10/100M (TP-Port), 100M (fibre-optic port). 6x RJ45, 2x SC Single-mode	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

MTBF

MTBF 2,428,212 hrs Database Telcordia (Bellcore), GB

Power supply

Connection type	1 removable 4-pin terminal block		
Current consumption	0.22 A at 24 V		
Overload current protection	1.1 A		
Reverse polarity protection	Available		
Voltage supply	12/24/48 V DC, 2 redundant inputs		
Voltage supply range	Voltage type	DC	
	Voltage, min.	9.6 V	
	Voltage, max.	60 V	

Switch characteristics

Bandwidth backplane	1.6 Gbps	MAC table size	2 K
Packet buffer size	768 Kbit		

Technical data

Housing main material	Aluminium	Protection degree	IP30
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 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX, IEEE 802.3x for flow control		

Creation date May 3, 2020 9:41:37 AM CEST

Data sheet

**Industrial Ethernet
IE-SW-BL08T-6TX-2SCS**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Classifications

ETIM 6.0	EC000734	ETIM 7.0	EC000734
eClass 9.0	19-17-01-06	eClass 9.1	19-17-01-06
eClass 10.0	19-17-04-02		

Approvals

Approvals



ROHS	Conform
------	---------

Downloads

Approval/Certificate/Document of Conformity	ATEX certificate KC certificate EU Declaration of Conformity
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
Product Change Notification	Product Change Notification IE-SW-BL08-series
User Documentation	Hardware Installation Guide

Industrial Ethernet IE-SW-BL08T-6TX-2SCS

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Accessories

Mounting kit for 19" rack assembly

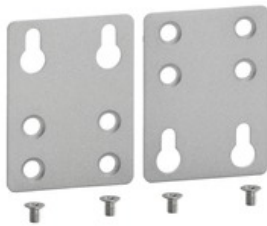
- For assembling DIN rail-based devices on 19" racks



General ordering data

Type	RM-KIT	Version
Order No.	1241440000	Kit for 19"-rack mounting
GTIN (EAN)	4050118029154	
Qty.	1 pc(s).	

Mounting kit for wall mounting



Mounting kit for alternative wall-mounting of DIN rail-based (top-hat type) Industrial Ethernet components.

IE-WALLMOUNT-KIT-30MM for use with:

- Industrial Ethernet Switches of the product range **IE-SW-BL05**

IE-WALLMOUNT-KIT-46MM for use with:

- Industrial Ethernet Switches of the product ranges **IE-SW- BL06/BL08/VL05/VL08/VL09/VL16/PL06/PL08/PL09/PL10/PL16/PL18**
- Industrial Ethernet media converters of the product range **IE-MC-VL**
- Industrial Ethernet switches of the product range **IE-WL-AP**

General ordering data

Type	IE-WALLMOUNT-KIT-46MM
Order No.	1504440000
GTIN (EAN)	4050118312317
Qty.	1 pc(s).

**Industrial Ethernet
IE-SW-BL08T-6TX-2SCS**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Accessories

Ethernet (Cat.6)



- 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, 1 A, According to IEC61643-21
GTIN (EAN)	4050118153002	
Qty.	1 pc(s).	