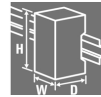


IE-SW-BL05T-4TX-1SCS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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 (multi-mode and singlemode)
- Extensive approvals: CE, FCC, cULus, Class I Div. 2 / ATEX Zone 2, DNV-GL

General ordering data

Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 4 x RJ45, 1 * SC Single-mode, IP30, -40 °C...75 °C
Order No.	1286530000
Type	IE-SW-BL05T-4TX-1SCS
GTIN (EAN)	4050118077230
Qty.	1 pc(s).

IE-SW-BL05T-4TX-1SCS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

Depth	70 mm	Depth (inches)	2.756 inch
Height	115 mm	Height (inches)	4.528 inch
Width	30 mm	Width (inches)	1.181 inch
Net weight	175 g		

Temperatures

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

EMC conformity and approvals

EMC standards	EN 55032, EN 55035, 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 - 6 GHz: 10 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV, IEC 61000-4-6 CS: 10 V, IEC 61000-4-8 PFMF: 100A/m	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA IIC T4 Gc
Free fall	According to IEC 60068-2-32	Safety standard	UL508
Ship use	DNV	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.	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
	max. 1,600 nm
Receive power	min. -34 dBm
	max. -3 dBm
Transmission power	min. -5 dBm
	max. 0 dBm

Creation date May 1, 2024 12:30:40 PM CEST

IE-SW-BL05T-4TX-1SCS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Link-budget	29 dB
Note	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.

Guarantee

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

Interfaces

Fibre-optic ports	100BaseFX ports (SC connector), Singlemode	Function DIP switch	1x for enabling/disabling the broadcast storm protection
LED indicator	PWR1, PWR2, 10/100M (TP-Port), 100M (fibre-optic port).	Number of ports	4 x RJ45, 1 * SC Single-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.	3,040,784 h

Power supply

Connection type	1 removable 4-pin terminal block		
Current consumption	0.11 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 Gbit/s	MAC table size	1 K
Packet buffer size	448 Kbit		

Technical data

Housing main material	Aluminium	Protection degree	IP30
Speed	Fast Ethernet	Switch	unmanaged
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		

IE-SW-BL05T-4TX-1SCS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

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
Certificate no. (cULusEX)	E223527

Downloads

Approval/Certificate/Document of Conformity	ATEX certificate KC certificate EU Declaration of Conformity UK Declaration of Conformity
Engineering Data	CAD data – STEP
Product Change Notification	Product Change Notification IE-SW-BL05-series
User Documentation	Hardware Installation Guide
Catalogues	Catalogues in PDF-format

IE-SW-BL05T-4TX-1SCS

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

www.weidmueller.com

Accessories

SC-Duplex

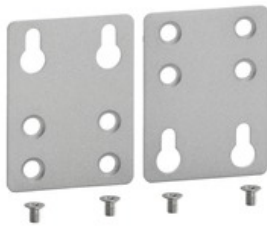


Mounting rail outlet, SC duplex junction design according to IEC 61754-4

General ordering data

Type	IE-TO-SCD-SM	Version
Order No.	8946980000	Mounting rail outlet, fibre-optic, SC duplex, Singlemode, IP20
GTIN (EAN)	4032248734993	
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-30MM	Version
Order No.	1504450000	Kit for wall mounting
GTIN (EAN)	4050118312300	
Qty.	1 pc(s).	

IE-SW-BL05T-4TX-1SCS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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).	

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 pc(s).	