

IE-SW-BLB-16-16TX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Features of BasicLine Series B Switches**

- Support real time communication e.g. in PROFINET networks due to the "Quality of Service" and "LLDP frame blocking" functionality – "PROFINET Conformance Class A"
- Large number of certifications to fit any requirements of mechanical and EMC influences, ideal for application areas such as offshore, process or mining
- Optimized DIN-rail clip as well as PUSH IN Connectors for fast and easy installation
- Covers the most common port combinations with RJ45 and SFP ports for flexible usage
- AC/DC power supply input
- Network availability is strongly increased thanks to Broadcast Storm Protection
- Energy Efficient Ethernet and plastic- free packaging

General ordering data

Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 16x RJ45, IP30, -40 °C...75 °C
Order No.	2908050000
Type	IE-SW-BLB-16-16TX
GTIN (EAN)	4099986847934
Qty.	1 pc(s).
Replacement parts	1013470000

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Technical data

Dimensions and weights

Depth	95 mm	Depth (inches)	3.74 inch
Height	144 mm	Height (inches)	5.669 inch
Width	44 mm	Width (inches)	1.732 inch
Net weight	526 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 IEC 61000-6-2, EN IEC 61000-6-4, 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 61000-4-3 RS: 1.4 GHz to 6 GHz: 3 V/m, IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 Vrms, IEC 61000-4-8 PFMF: 30 A/m	Explosive risk zone	EN IEC 60079-0, EN IEC 60079-7, EN IEC 60079-15, UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex ec nC IIC T4 Gc
Free fall	According to IEC 60068-2-31	Safety standard	UL 61010-1, UL 61010-2-201
Ship use	DNV, BV, ABS, LR, RINA pending approval	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

Environmental conditions

Humidity	5 to 95 % (non-condensing)		
Operating altitude	Altitude, max.	2,000 m	
Operating temperature, max.	75 °C		
Operating temperature, min.	-40 °C		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		

Guarantee

Time interval	5 years
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Interfaces

Alarm contact	Function DIP switch	QoS (on/off), Broadcast storm protection enable/disable, MAC frame filtering (on/off), Activate/deactivate IEEE 802.3az energy-efficient Ethernet, 2x for enabling/disabling power fault alarm via relay
	1 relay output with a current capacity of 1 A at 24 V DC	
LED indicator	Power LED: PWR1, PWR2, Port LED: LNK/ACT, 10/100M (RJ45 port), Power LED: PWR FLT	Number of ports
RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port	16x RJ45

MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	841,302 h
	Input voltage	24 V
	According to Standard	Telcordia SR-332

Management features

Network traffic filter	Quality of Service (QoS), Class of Service (CoS), Type of Service (ToS), Differentiated Services Code Point (DSCP), MAC frame filtering (LLDP frame blocking)	Industrial protocol support
		PROFINET device acc. to conformance class A

Power supply

Connection type	1 removable 6-pin terminal block	
Current consumption	0.16 A	
Current consumption	Voltage	24 V
	Current	0.16 A
Overload current protection	Yes	
Reverse polarity protection	Yes	
Voltage supply	12/24/48 V DC, 24 V AC, 2 redundant inputs	
Voltage supply range	Voltage type	AC
	Voltage, min.	18 V
	Voltage, max.	30 V
	Voltage type	DC
	Voltage, min.	9 V
	Voltage, max.	60 V

Switch characteristics

Bandwidth backplane	3.2 Gbit/s	Jumbo frame support	up to 9 KB
MAC table size	4 K	Packet buffer size	4 Mbit
Priority queues	4		

Creation date April 24, 2025 12:42:12 PM CEST

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Housing main material	Metal	Protection degree	IP30
Speed	Fast Ethernet	Switch	unmanaged
Type of mounting	DIN rail		

Technology

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control
Standard	IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX, IEEE 802.3x for flow control, IEEE 802.3az Energy-Efficient Ethernet, IEEE 802.1p for Class of Service / Quality of Service (CoS/QoS)		

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
ECLASS 14.0	19-17-04-02		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319245/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197
Certificate no. (cULusEX)	E223527

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Downloads

Approval/Certificate/Document of Conformity	KC certificate
	IECEX certificate
	ATEX certificate
	UKEx certificate
	EU Declaration of Conformity
	RCM Declaration of Conformity
Engineering Data	UK Declaration of Conformity
	CAD data – STEP
User Documentation	Quick start guide – Hardware Installation Guide
	Application notes – Industrial Product Security Guideline
Catalogues	Catalogues in PDF-format