

IE-SW-ELB-05-5TX

Weidmüller Interface GmbH & Co. KG

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Germany

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Features of EcoLine Series B Switches

- Covers the most common port combinations with RJ45 and SFP ports for flexible usage
- Network availability is strongly increased thanks to Broadcast Storm Protection
- Support real time communication e.g. in PROFINET networks due to the "Quality of Service" functionality – "PROFINET Conformance Class A"
- Very small design for installation in places where space is critical
- A rotatable DIN-rail-clip allows use at locations offering very limited vertical space such as installation cabinets
- The AC voltage input enables use without a switching power supply to save cost in e.g. building automation
- Plastic-free, handling optimized packaging for fast processing and environmental friendliness

General ordering data

Version	Network switch, unmanaged, Fast Ethernet, Number of ports: 5x RJ45, IP40, -10 °C...60 °C
Order No.	2828540000
Type	IE-SW-ELB-05-5TX
GTIN (EAN)	406467536985 1
Qty.	1 items

Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Dimensions and weights

Depth	64 mm	Depth (inches)	2.5197 inch
Height	103 mm	Height (inches)	4.0551 inch
Width	26 mm	Width (inches)	1.0236 inch
Net weight	135 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	95f06c58-199a-4ab7-817c-c2503ba62133

EMC conformity and approvals

Free fall	According to IEC 60068-2-31	EMC standards	EN 55032, EN 55024, CISPR 32, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 GHz: 3 V/m, IEC 61000-4-4 EFT: Power: 0.5 kV; Signal: 0.5 kV, IEC 61000-4-5 Surge: Power: 0,5 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 Vrms, IEC 61000-4-8
Vibration	according to IEC 60068-2-6	Shock	according to IEC 60068-2-27
Safety standard	UL 61010-1, UL 61010-2-201		

Environmental conditions

Operating temperature, max.	60 °C		
Operating temperature, min.	-10 °C		
Humidity	5 to 95 % (non-condensing)		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		
Operating altitude	Altitude, max.	2000 m	
	Note	in acc. with UL	

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Guarantee

Time interval 5 years

Interfaces

RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port	Function DIP switch	1x for enabling QoS (according to IEEE 802.1p), 1x for enabling/disabling the broadcast storm protection
Number of ports	5x RJ45	LED indicator	Power LED: PWR, Port LED: LNK/ACT, 10/100M (RJ45 port)

MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	488236 h

Management features

Network traffic filter	Quality of Service (QoS), Class of Service (CoS)	Industrial protocol support	PROFINET device acc. to conformance class A
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Power supply

Reverse polarity protection	Yes		
Supply voltage	12/24/48 V DC, 24 V AC, 1 single input		
Overload current protection	Yes		
Connection type	1 removable 2-pin terminal block		
Voltage supply range	Voltage type	DC	
	Voltage, min.	9.6 V	
	Voltage, max.	60 V	
	Voltage type	AC	
	Voltage, min.	18 V	
	Voltage, max.	36 V	
Current consumption	Voltage	24 V	
	Current	0.12 A	

Switch characteristics

Priority queues	2	MAC table size	1 K
Packet buffer size	448 kBit	Bandwidth backplane	1 Gbit/s

Technical data

Housing main material	Metal	Type of mounting	DIN rail
Protection degree	IP40	Speed	Fast Ethernet
Switch	unmanaged		

Technology

Data switching Standard	Store and Forward IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX, IEEE 802.3x for flow control, IEEE 802.1p for	Flow control	IEEE 802.3x flow control
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Technical data

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
ETIM 10.0	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
ECLASS 15.0	19-17-04-02		