

## IE-SW-ELB-16-16TX

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)



### 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: 16x RJ45, IP40, -10 °C...60 °C
Order No.	<a href="#">2828580000</a>
Type	IE-SW-ELB-16-16TX
GTIN (EAN)	4064675369936
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

## Dimensions and weights

Depth	110 mm	Depth (inches)	4.3307 inch
Height	143 mm	Height (inches)	5.6299 inch
Width	50 mm	Width (inches)	1.9685 inch
Net weight	526 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	16x 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.	412528 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	0.17 A	

## Switch characteristics

Priority queues	2	MAC table size	8 K
Packet buffer size	4 Mbit	Bandwidth backplane	3.2 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		