

IE-SW-SPE05-4T1LMPODL-1TX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

The unmanaged SPE switch from Weidmüller offers the solution for reliable and efficient networking. It enables the bridging of large distances of up to 1,000 m using the SPE standard 10Base-T1L (10 Mbit/s). Using this switch eliminates the need for subsystems or gateways, simplifying the network infrastructure and reducing complexity.

- Simple and space-saving installation, as both data transmission and power supply are provided via only one pair of wires (PoDL classes 10 - 14, up to 30 W, SCCP support)
- The unmanaged SPE switch from Weidmüller is compatible with all Ethernet and IP-based protocols and can be used universally
- Provides a reliable and efficient way to optimize network connectivity and increase system efficiency

General ordering data

Version	Network switch, unmanaged, Fast Ethernet, 10BaseT1L, Number of ports: 1x RJ45, 4x SPE port, IP30, -40 °C...70 °C
Order No.	3012120000
Type	IE-SW-SPE05-4T1LMPODL-1TX
GTIN (EAN)	4099986918344
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	108.3 mm	Depth (inches)	4.264 inch
Height	145.1 mm	Height (inches)	5.713 inch
Width	28 mm	Width (inches)	1.102 inch
Net weight	530 g		

Temperatures

Storage temperature	40 °C...85 °C	Operating temperature	-40 °C...70 °C
Humidity	5 to 98% (non-condensing)		

EMC conformity and approvals

EMC standards	EN 61000-6-2, EN 61000-6-4	Free fall	According to IEC 60068-2-32
Shock	according to IEC 60068-2-27	Vibration	according to IEC 60068-2-6

Environmental conditions

Humidity	5 to 98% (non-condensing)		
Operating altitude	Altitude, max.	2,000 m	
Operating temperature, max.	70 °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

Function DIP switch	MAC frame filtering (on/off), QoS (on/off), SPE-T1L (on/off), SPE-T1L (master/slave), PoDL (on/off), PoDL SCCP (on/off), PoDL (24V/50V)	LED indicator	Power LED: PWR, Port LED: LNK/ACT, 10/100M (RJ45 port), Port LED: LNK/ACT, 10M (SPE port), PoDL indicator
Number of ports	1x RJ45, 4x SPE port	RJ45 ports	10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	692,776 h
	Input voltage	24 V

Power supply

Connection type	1 removable 2-pin terminal block	
Current consumption	Voltage	24 V
	Current	3.47 A
	Voltage type	DC

Creation date July 15, 2024 9:54:34 PM CEST

Catalogue status 13.07.2024 / We reserve the right to make technical changes.

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Overload current protection	Yes		
Reverse polarity protection	Yes		
Voltage supply	1 single input		
Voltage supply range	Voltage type	DC	
	Voltage, min.	20 V	
	Voltage, max.	30 V	

Switch characteristics

Bandwidth backplane	280 Mbit/s	MAC table size	1 K
Packet buffer size	128 Kbit		

Technical data

Housing main material	Metal	Protection degree	IP30
Speed	Fast Ethernet, 10BaseT1L	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 802.3cg for 10Base-T1L		

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	/
RoHS Compliance Status	Compliant

Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity UK Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Quick start guide – Hardware Installation Guide
Catalogues	Catalogues in PDF-format