

Industrial Ethernet Switch - FL SWITCH 1001T-4POE - 2891064

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PoE+ Ethernet switch conforms to IEEE 802.3at. Includes four PoE+ ports and one standard RJ45 port, all with 10/100 Mbps speeds.

Why buy this product

- ✓ Auto negotiation
- ✓ Autocrossing
- ✓ Wide -40° ... +75°C temperature range
- ✓ Redundant power supply
- ✓ Automatic detection of IEEE 802.3at or 802.3af powered devices
- ✓ Wide-range power supply of 18 ... 57 V DC
- ✓ POE status LED per port



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 764322
GTIN	4046356764322

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	55 mm
Height	117 mm
Depth	78 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 75 °C

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Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Air pressure (operation)	86 kPa ... 108 kPa (1500 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (3500 m above sea level)

Interfaces

Interface 1	Ethernet
No. of ports	5 (4x POE ports, 1x 10/100 port)
Transmission physics	Ethernet RJ45
Transmission speed	10/100 Mbps
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	LNK/ACT, 100, POE

Function

Basic functions	PSE, complies with IEEE 802.3at
Additional functions	Autonegotiation
Status and diagnostic indicators	LEDs: U _{S1} , U _{S2} (redundant voltage supply); alarm; LNK/ACT, POE, 100 Mbps per port
Signal contact control voltage	250 V AC
Signal contact control current	1 A

Network expansion parameters

Maximum conductor length (twisted pair)	100 m
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Supply voltage

Supply voltage	24 V DC
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Supply voltage range	18 V DC ... 57 V DC
Typical current consumption	6.2 A (at U _S = 24 V DC)
	2.7 A (at U _S = 48 V DC)
Inrush surge current	18 A (57 V DC for 100 µs)

General

Mounting type	DIN rail
Type AX	Stand-alone
Net weight	800 g
Housing material	Aluminum

Connection data

Connection method	COMBICON plug-in screw terminal block
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²

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Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Stripping length	7 mm

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Type of test	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
Test result	5g, 150 Hz, Criterion 3
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	25g, 11 ms half-sine shock pulse

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / EAC / KC / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
mm ² /AWG/kcmil		30-14	

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
mm ² /AWG/kcmil		30-14	

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Approvals

EAC		EAC-Zulassung
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EAC		RU *- DE.A*30.B.01735
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KC		http://eng.kcc.go.kr/user/ehpMain.do MSIP-REI- PCK-2891064
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cULus Listed		
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