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

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

Product Features

- 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 AC/DC
- POE status LED per port

Ethernet

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	900.0 g
Custom tariff number	85176200
Country of origin	Taiwan

Technical data

Dimensions

Width	55 mm
Height	117 mm
Depth	78 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

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Technical data

Ambient conditions

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)
Connection method	RJ45 socket
Transmission physics	Ethernet RJ45
Transmission speed	10/100 MBit/s
Transmission length	100 m (Between transmitter / receiver)
Signal LEDs	LNK/ACT, 100, POE

Function

Basic functions	PSE, complies with IEEE 802.3at
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

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	685 g
Housing material	Aluminum

Connection data

Connection method	Pluggable COMBICON screw connections,
Conductor cross section solid min.	0.2 mm²

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Connection data

Conductor cross section solid max.	2.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
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
Developed in acc. with standard	IEC 61000-6.2
Test standard	IEC 61000-4-2 (ESD)
Test result	Criterion B
Test standard	IEC 61000-4-3 (immunity to radiated interference)
Test result	Criterion A
Test standard	IEC 61000-4-4 (burst)
Test result	Criterion B
Test standard	IEC 61000-4-5 (surge)
Test result	Criterion B
Test standard	IEC 61000-4-6 (immunity to conducted interference)
Test result	Criterion A
Test standard	IEC 61000-4-8 (immunity to magnetic fields)
Test result	Criterion A
Test standard	EN 55022 (emitted interference)
Test result	Criterion A
Test section	Supply voltage/functional earth ground 500 V AC 1 min.
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

Classifications

eCl@ss

eCl@ss 4.0	24010504
eCl@ss 4.1	24010504
eCl@ss 5.0	19030117
eCl@ss 5.1	19030117
eCl@ss 6.0	19170106

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Classifications

eCl@ss

eCl@ss 7.0	19170106
eCl@ss 8.0	19170106

ETIM

ETIM 3.0	EC000734
ETIM 4.0	EC000734
ETIM 5.0	EC000734

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	43201410

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / EAC / KC

Ex Approvals

Approvals submitted

Approval details

UL Listed	
mm²/AWG/kcmil	30-14

cUL Listed	
mm²/AWG/kcmil	30-14

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Approvals

EAC

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KC

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