PHŒNIX CONTACT

Industrial Ethernet Switch - FL SWITCH SFN 8GT - 2891673

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Ethernet switch, eight TP-RJ45 ports with 10/100/1000 Mbps on all ports, automatic detection of data transmission speed of 10/100/1000 Mbps (RJ45), autocrossing function, with signaling contact and QoS, extended temperature range

Product Features

☑ Auto negotiation and autocrossing detection simplifies installation and setup

☑ The switch also offers cable locking and port blocking

☑ Local diagnostic indicators with LEDs

☑ Relay contact for alarm processing of voltage states

☑ All ports offer transmission speeds of 1000 Mbps

Ethernet

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	539.2 g
Custom tariff number	85176200
Country of origin	Taiwan

Technical data

Note

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

Dimensions

Width	50 mm
Height	120 mm
Depth	70 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 75 °C

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Ambient conditions

Ambient temperature (storage/transport)	-35 °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 (up to 1500 m above mean sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3500 m above mean sea level)

Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	8 (RJ45 ports)
Connection method	RJ45
Note on connection method	Auto negotiation and autocrossing
Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100/1000 MBit/s
Interface 4	Potential-free signaling contact
Connection method	Plug-in/screw connection via COMBICON

Function

Basic functions	Unmanaged switch / auto negotiation, complies with IEEE 802.3, store and forward switching mode
Status and diagnostic indicators	LEDs: U_{S1}, U_{S2} (redundant voltage supply), link and activity per port
Signal contact control voltage	Monitoring of the redundant supply voltage

Network expansion parameters

Cascading depth	Network, linear, and star structure: any
Maximum conductor length (twisted pair)	100 m

Supply voltage

Supply voltage	24 V DC (redundant)
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Supply voltage range	9 V DC ... 32 V DC
Typical current consumption	typ. 430 mA (at U_S = 24 V DC)

General

Mounting type	DIN rail
Type AX	Block design
Net weight	395 g
Housing material	Aluminum
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2:2005

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Classifications

eCl@ss

eCl@ss 4.0	27250501
eCl@ss 4.1	27250501
eCl@ss 5.0	27250501
eCl@ss 5.1	27250501
eCl@ss 6.0	19170106
eCl@ss 7.0	19170106
eCl@ss 8.0	19170106

ETIM

ETIM 2.0	EC000734
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

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

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

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Approvals

UL Listed

cUL Listed

EAC

EAC

KC

cULus Listed