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Industrial Ethernet Switch - FL SWITCH SFN 6GT/2LX-20 - 2891563

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Ethernet switch, 6 RJ45 ports, 10/100/1000 Mbps on all RJ45 ports, 2 single mode SC-D ports with especially high range, 1 Gbps full duplex, auto negotiation (RJ45), autocrossing function, with signal contact and QoS, extended temperature range

Why buy this product

- Auto negotiation and autocrossing detection simplifies installation and setup
- Relay contact for alarm processing of voltage states
- The switch also offers cable locking and port blocking
- Local diagnostic indicators with LEDs
- All ports offer transmission speeds of 1000 Mbps

Ethernet

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 116626

Technical data

Note

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

Width	50 mm
Height	120 mm
Depth	70 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °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)

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Technical data

Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	6 (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 2	Fiber optic interface
No. of ports	2 (SC single mode)
Connection method	SC
Transmission physics	Single-mode fiberglass
Transmission speed	1000 MBit/s (full duplex)
Transmission length	20000 m (Fiberglass 9/125)
Wavelength	1310 nm
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. 360 mA (at U _S = 24 V DC)

General

Mounting type	DIN rail
Type AX	Block design
Net weight	588.4 g
Housing material	Aluminum

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Test section	500 V DC 1 min.
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2:2005
Vibration (storage/transport)	5g, 150 Hz, in acc. with IEC 60068-2-6

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Standards and Regulations

Vibration (operation)	In acc. with IEC 60068-2-6: 5g, 150 Hz
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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

Approvals

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UL Listed / cUL Listed / EAC / EAC / 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

cULus Listed 

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Product	Code	Reference	Product link
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