

FL SWITCH MCS 14TX/2FX - Industrial Ethernet Switch



2832713

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Ethernet Managed Compact Switch with 14 10/100 Mbps RJ45 ports and two 100 Mbps FX-SC multi-mode ports



Your advantages

- VLANs
- RSTP
- SNMP
- MRP (client and manager)

Commercial data

Item number	2832713
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DNN122
GTIN	4046356044158
Weight per piece (including packing)	1,459.3 g
Weight per piece (excluding packing)	1,396.1 g
Customs tariff number	85176200
Country of origin	DE

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Technical data

Dimensions

Width	214 mm
Height	95 mm
Depth	69 mm

Mounting

Mounting type	DIN rail mounting
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Interfaces

Ethernet (RJ45)

Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100 Mbps
Transmission physics	Copper
Transmission length	100 m (per segment)
No. of channels	14 (RJ45 ports)

Ethernet FO

Connection method	SC
Transmission speed	100 Mbps (full duplex)
Transmission physics	multi-mode fiberglass
Transmission length	10000 m (depending on the fiber used) 6400 m (fiberglass with F-G 50/125 0.7 dB/km F1200) 3000 m (fiberglass with F-G 62.5/125 2.6 dB/km F600) 2800 m (fiberglass with F-G 50/125 1.6 dB/km F800)
Wavelength	1300 nm
No. of channels	2 (SC multi-mode)

Serial (RS-232)

Connection method	RS-232-C, 6-pos. MINI-DIN socket (PS/2)
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Product properties

Product type	Switch
Type	Block design

Insulation characteristics

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Switch functions

Basic functions	Store and forward switch complies with IEEE 802.3 2 priority classes in acc. with IEEE 802.1 P TCP/IP protocol, BootP-capable, port-mirroring, integrated web server function, multicast filtering, IGMP snooping, VLAN, Rapid Spanning Tree (RSTP), port security, PROFINET-IO-device, DHCP option 82 relay agent
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PROFINET device function	PROFINET device
PROFINET specification	Version 1.1
Redundancy	STP (Spanning Tree Protocol)
	RSTP (Rapid Spanning Tree Protocol)
	FRD (Fast Ring Detection)
	Large Tree Support
	MRP (Media Redundancy Protocol)
Status and diagnostic indicators	LEDs: US1, US2 (power supply), Fail (alarm contact), 2 LEDs per Ethernet port (Link and switchable Activity/Speed/Duplex)
Supported browsers	Internet Explorer 5.5 or higher

Security functions

Basic functions	Store and forward switch complies with IEEE 802.3 2 priority classes in acc. with IEEE 802.1 P TCP/IP protocol, BootP-capable, port-mirroring, integrated web server function, multicast filtering, IGMP snooping, VLAN, Rapid Spanning Tree (RSTP), port security, PROFINET-IO-device, DHCP option 82 relay agent
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Electrical properties

Local diagnostics	US1/2 Supply voltage US1, US2 Green LED
	FAIL Div. LED red
	LINK Link status Green LED
	ACT/MODE Receiving/sending telegrams Green LED
	100/MODE Data transmission speed Green LED
	FD/MODE Duplex mode Green LED
Maximum power dissipation for nominal condition	19.2 W
Transmission medium	Copper
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Supply

Supply voltage	24 V DC
Supply voltage range	18.5 V DC ... 30.5 V DC
Power supply connection	Via COMBICON, max. conductor cross-section 2.5 mm ²
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Typical current consumption	800 mA (at U _S = 24 V DC)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C (non-condensing)
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz
Air pressure (operation)	80 kPa ... 108 kPa (2000 m above mean sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (3500 m above sea level)

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EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise immunity	EN 61000-6-2:2005

Noise emission

Standards/regulations	EN 61000-6-3/-4
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System properties

Functionality

Basic functions	Store and forward switch complies with IEEE 802.3 2 priority classes in acc. with IEEE 802.1 P TCP/IP protocol, BootP-capable, port-mirroring, integrated web server function, multicast filtering, IGMP snooping, VLAN, Rapid Spanning Tree (RSTP), port security, PROFINET-IO-device, DHCP option 82 relay agent
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System requirements

Supported browsers	Internet Explorer 5.5 or higher
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Signaling

Status display	LEDs: US1, US2 (power supply), Fail (alarm contact), 2 LEDs per Ethernet port (Link and switchable Activity/Speed/Duplex)
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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com