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Switch - FL SWITCH MCS 16TX - 2832700

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Ethernet Managed Compact Switch with 16 10/100 Mbps RJ45 ports

Product Features

- ☑ RSTP
- ☑ VLANs
- ☑ MRP (client and master)
- ☑ SNMP

Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	1400.0 GRM
Custom tariff number	85176200
Country of origin	Germany

Technical data

Dimensions

Width	214 mm
Height	95 mm
Depth	69 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C (no condensation)
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (no condensation)
Permissible humidity (storage/transport)	10 % ... 95 % (no condensation)
Air pressure (operation)	80 kPa ... 108 kPa (2000 above sea level)

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Technical data

Ambient conditions

Air pressure (storage/transport)	66 kPa ... 108 kPa (3500 m above sea level)
Noise immunity	EN 61000-6-2:2005

Interfaces

Interface 1	Ethernet (RJ45)
No. of ports	16 (RJ45 ports)
Connection method	RJ45
Note on connection method	Auto negotiation and autocrossing
Transmission physics	Copper
Transmission speed	10/100 MBit/s
Transmission length	100 m (per segment)
Interface 5	Serial (V.24 (RS-232))
Connection method	V.24 (RS-232-C), 6-pos. MINI-DIN socket (PS/2)

Function

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
Management	Integrated Management Agent, SNMP protocol (private MIB, MIB-2, RMON MIB, Bridge MIB), integrated Web server function
Supported browsers	Internet Explorer 5.5 or higher
Redundancy	Spanning Tree 802.1d, Rapid Spanning Tree 802.1w, Fast Ring Detection, Media Redundancy Protocol (MRP) as per IEC 62439
Status and diagnostic indicators	Per Ethernet 2 status LEDs: LINK and status activity with switch-over, 100, full duplex, supply voltage U_{s1} and U_{s2} (redundant supply voltage) and FAIL

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
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Supply voltage range	18.5 V DC ... 30.5 V DC
Typical current consumption	600 mA (at U_S = 24 V DC)

General

Mounting type	DIN rail
Type AX	Block design
Weight	1000 g

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Technical data

General

Noise emission	EN 61000-6-3/-4

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

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 Recognized / cUL Recognized / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

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Approvals

Approval details

UL Recognized

cUL Recognized

UL Recognized

cUL Recognized

cULus Recognized

Accessories

Accessories

Connector set

RJ45 connector - FL PLUG RJ45 GR/2 - 2744856

RJ45 connector, shielded, with bend protection sleeve, 2 pieces, gray for straight cables, for assembly on site. For connections that are not crossed, it is recommended that you use the connector set with gray bend protection sleeve.

RJ45 connector - FL PLUG RJ45 GN/2 - 2744571

RJ45 connector, shielded, with bend protection sleeve, 2 pieces, green for crossed cables, for assembly on site. For connections that are crossed, it is recommended that the connector set with green bend protection sleeves is used.

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Accessories

Device parameterization

Software - AX+ BASIC - 2985068

Software CD for FDT container for integrating device DTMs (free download)

Software - AX DTM LIB - 2988065

DTM library

Drivers and interfaces

Software - FL SNMP OPC SERVER - 2832166

SNMP-OPC server, German and English, for monitoring and configuration of SNMP-capable equipment in HMI and SCADA systems

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End block

End clamp - E/NS 35 N - 0800886

End clamp, width: 9.5 mm, color: gray

Fiber optics connector (device side)

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Accessories

Fiber optic coupling - VS-SCRJ-GOF-KU - 1654358

SCRJ coupling insert, duplex, for VS-PP-19-1HE-16-F patch panel and VS-TO...F...terminal outlets and VS-SI-FP-2F front plate, can be used for glass multi-mode, HCS and polymer fiber types

Network management software

Software - FL SWT - 2831044

Factory Manager, multilingual, configuration and diagnostics software for ETHERNET networks in automation

Patch cable

Patch cable - FL CAT5 PATCH 0,3 - 2832250

Patch cable, CAT5, assembled, 0.3 m

Patch cable - FL CAT5 PATCH 0,5 - 2832263

Patch cable, CAT5, assembled, 0.5 m

Patch cable - FL CAT5 PATCH 1,0 - 2832276

Patch cable, CAT5, assembled, 1.0 m

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Accessories

Patch cable - FL CAT5 PATCH 1,5 - 2832221

Patch cable, CAT5, assembled, 1.5 m

Patch cable - FL CAT5 PATCH 2,0 - 2832289

Patch cable, CAT5, assembled, 2.0 m

Patch cable - FL CAT5 PATCH 3,0 - 2832292

Patch cable, CAT5, assembled, 3.0 m

Patch cable - FL CAT5 PATCH 5,0 - 2832580

Patch cable, CAT5, assembled, 5.0 m

Patch cable - FL CAT5 PATCH 7,5 - 2832616

Patch cable, CAT5, assembled, 7.5 m

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Accessories

Patch cable - FL CAT5 PATCH 10,0 - 2832629

Patch cable, CAT5, assembled, 10.0 m

Patch cable - FL CAT6 PATCH 12,5 - 2891369

Patch cable, CAT6, pre-assembled, 12.5 m

Patch cable - FL CAT6 PATCH 15,0 - 2891372

Patch cable, CAT6, pre-assembled, 15.0 m

Patch cable - FL CAT6 PATCH 20,0 - 2891576

Patch cable, CAT6, pre-assembled, 20.0 m

Programming cable

Connecting cable - PRG CAB MINI DIN - 2730611

Connecting cable, for connecting the controller to a PC (RS-232) for PC Worx, 3 m in length

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Accessories

Protective cap

Dust protection - FL RJ45 PROTECT CAP - 2832991

Dust protection caps for RJ45 socket

Universal tools

Assembly tool - FL CRIMPTOOL - 2744869

Crimping pliers, for assembling the RJ45 plugs FL PLUG RJ45..., for assembly on site

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Software - IPASSIGN - 2701094

IPAssign is an easy to use tool for setting the IP address of devices which rely on BOOTP. No installation or administrative rights are required to use IPAssign. With a simple selection, you can filter out all of the devices except those from Phoenix Contact.

AMEYA360
Components Supply Platform

Authorized Distribution Brand :

ROHM	Sunlord	SSM SUSUMU	AVERLOGIC	NXP	Elprotronic
2Pai Semi	Ambarella	CanaanTek	Firstohm	GigaDevice	威寨半导体

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