

# Industrial Ethernet Switch - FL SWITCH LM 8TX - 2832632

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Ethernet Lean Managed Switch with eight 10/100 Mbps RJ45 ports

## Product Description

The compact Lean Managed Switches (LM) enable the flexible and cost-effective creation of managed Ethernet networks in automation applications. Thanks to the wide range of connection versions and the extended temperature range of -40°C to +70°C, it optimally meets the requirements of industrial applications. It supports PROFINET conformance class A. And its integrated software enables the redundant creation, diagnostics, and monitoring of networks using IT standard protocols.

## Product Features

- Web-based management, SNMP
- Compact housing
- Comprehensive fiber optic versions
- Configuration can be stored externally
- 40°C ... +70°C ambient temperature
- Configurable alarm contact

**Ethernet** EtherNet/IP

## Key commercial data

<b>package_quantity</b>	1
<b>GTIN</b>	4046356078382

## Technical data

### Note

<b>Utilization restriction</b>	EMC: class A product, see manufacturer's declaration in the download area
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### Dimensions

<b>Width</b>	45 mm
<b>Height</b>	99 mm
<b>Depth</b>	112 mm

### Ambient conditions

<b>Degree of protection</b>	IP20
<b>Ambient temperature (operation)</b>	-40 °C ... 70 °C
<b>Ambient temperature (storage/transport)</b>	-40 °C ... 85 °C
<b>Permissible humidity (operation)</b>	30 % ... 95 % (non-condensing)
<b>Permissible humidity (storage/transport)</b>	30 % ... 95 % (non-condensing)

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## Technical data

### Ambient conditions

<b>Air pressure (operation)</b>	80 kPa ... 108 kPa (2000 above sea level)
<b>Air pressure (storage/transport)</b>	70 kPa ... 108 kPa (3000 above sea level)
<b>Noise immunity</b>	EN 61000-6-2:2005

### Interfaces

<b>Interface 1</b>	Ethernet (RJ45)
<b>No. of ports</b>	8 (RJ45 ports)
<b>Connection method</b>	RJ45
<b>Note on connection method</b>	Auto negotiation and autocrossing
<b>Transmission physics</b>	Copper
<b>Transmission speed</b>	10/100 MBit/s
<b>Transmission length</b>	100 m (per segment)
<b>Interface 5</b>	Serial (V.24 (RS-232))
<b>Connection method</b>	V.24 (RS-232-C), 6-pos. MINI-DIN socket (PS/2)

### Function

<b>Basic functions</b>	Store-and-forward switch complies with IEEE 802.3 2, priority classes according to IEEE 802.1 P TCP/IP protocol, BootP-compatible, port mirroring, integrated web server function, multicast filtering, IGMP snooping, VLAN, Rapid Spanning Tree (RSTP), DHCP server, PTCP filter
<b>Supported browsers</b>	Internet Explorer 5.5 or higher
<b>Redundancy</b>	Rapid Spanning Tree 802.1w, Fast Ring Detection
<b>Status and diagnostic indicators</b>	Per Ethernet 2 status LEDs: LINK and status activity, 100, full duplex, supply voltage $U_{S1}$ and $U_{S2}$ (redundant supply voltage)

### Network expansion parameters

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

### Supply voltage

<b>Supply voltage</b>	24 V DC
<b>Residual ripple</b>	3.6 V <sub>pp</sub> (within the permitted voltage range)
<b>Supply voltage range</b>	18.5 V DC ... 30.5 V DC
<b>Typical current consumption</b>	520 mA (at $U_S = 24$ V DC)

### General

<b>Mounting type</b>	DIN rail
<b>Type AX</b>	Block design
<b>Weight</b>	230 g
<b>Noise emission</b>	EN 61000-6-3/-4

### Mechanical tests

<b>Type of test</b>	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
<b>Test result</b>	Operation/Storage/Transport: 5 g, 150 Hz, Criterion 3

### Conformity with EMC directives

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## Technical data

### Conformity with EMC directives

<b>Developed in acc. with standard</b>	IEC 61000-6.2
<b>Test standard</b>	IEC 61000-4-2 (ESD)
<b>Test result</b>	Criterion B
<b>Test standard</b>	IEC 61000-4-3 (immunity to radiated interference)
<b>Test result</b>	Criterion A
<b>Test standard</b>	IEC 61000-4-4 (burst)
<b>Test result</b>	Criterion B
<b>Test standard</b>	IEC 61000-4-5 (surge)
<b>Test result</b>	Criterion B
<b>Test standard</b>	IEC 61000-4-6 (immunity to conducted interference)
<b>Test result</b>	Criterion A
<b>Test standard</b>	EN 60068-2-30

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27250501
<b>eCl@ss 4.1</b>	27250501
<b>eCl@ss 5.0</b>	27250501
<b>eCl@ss 5.1</b>	27250501
<b>eCl@ss 6.0</b>	19170106
<b>eCl@ss 7.0</b>	19170106
<b>eCl@ss 8.0</b>	19170106

### ETIM

<b>ETIM 2.0</b>	EC000734
<b>ETIM 3.0</b>	EC000734
<b>ETIM 4.0</b>	EC000734
<b>ETIM 5.0</b>	EC000734

### UNSPSC

<b>UNSPSC 6.01</b>	43172015
<b>UNSPSC 7.0901</b>	43201404
<b>UNSPSC 11</b>	43172015
<b>UNSPSC 12.01</b>	43201410
<b>UNSPSC 13.2</b>	43201410

## approvals

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GL / BV / DNV / GL-SW / BSH / GL / BV / DNV / GL-SW / BSH / UL Listed / cUL Listed / UL Listed / cUL Listed / GL / cULus Listed /

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### Approval details

# Industrial Ethernet Switch - FL SWITCH LM 8TX - 2832632

approvals

GL

BV

DNV

GL-SW


BSH

UL Listed 

cUL Listed 





cULus Listed 

# Industrial Ethernet Switch - FL SWITCH LM 8TX - 2832632

accessories

## Programming cable

PRG CAB MINI DIN - 2730611



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## Patch cable

FL CAT5 PATCH 1,0 - 2832276



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## Protective cap

FL RJ45 PROTECT CAP - 2832991



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## End block

E/NS 35 N - 0800886



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## Network management software

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## accessories

FL VIEW 32 LITE - 2701744



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## Services

FL START-UP SUPPORT - 2701426



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FL MAINTENANCE SUPPORT - 2701424



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FL TRAINING - 2701427



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## Drivers and interfaces

FL SNMP OPC SERVER V3 - 2701139



## Industrial Ethernet Switch - FL SWITCH LM 8TX - 2832632

### accessories

FL SNMP OPC AGENT V3 - 2701136



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### accessories

IPASSIGN - 2701094



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### Drawings

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