

# EL100-2MA/6TX-2FX-SM-SC

## 8-PORT MANAGED FO SWITCH

### SINGLEMODE (SM)

Item No.: 422.446



#### DESCRIPTIONS OF FUNCTIONS

The 8 Port LWL Ethernet Switch ensures smooth communication between up to 6 Ethernet network devices and 2 FO network devices. The data transmission via optical fiber is particularly characterized by its insensitivity to electrical and magnetic interferences, the potential separation between transmitter and receiver, as well as for ranges up to 30 km between fiber optic systems.

The switch has ring functionality based on the IEC 62439 Media Redundancy Protocol (MRP ring), which allows the system to recover from network failures within 200 ms or less.

#### TECHNICAL DATA

Power supply:	12 ... 60 V DC redundant power supply
Current consumption:	333 mA at 24 V DC
TX Ports:	
Number	6
Transfer rate	10/100 Mbit/s
Cabel length	Supports cable till 100 m (CAT 5)
FX Ports	
Number	2
Connector	SC
Optical fiber	Singlemode
Optical fiber type	9/125 $\mu$ m
Cabel length	Supports cable length up to 30 km (fiber type 9/125 $\mu$ m)
Attenuation	0.3 dB/km
Wavelength	1,310 nm
Budget	18 dB (+ 3 dB system reserve)
Dimensions (H x W x D):	156 x 70 x 130 mm
Installation:	Top-rail hat (35 mm) mounting
Operation temperature:	-40 ... 55 °C
Storage temperature:	-40 ... 85 °C
Humidity:	5 ... 95 % RHD, non-condensing
Weight:	850 g
Housing:	Stainless steel, powder-coated
Standards:	EN 61000-6-2 / EN 55032 Class A

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## LED INDICATORS

### Switch

Fault:	Red: Configured alarm active Off: No alarm condition fulfilled
Status:	Green: Profinet-AR-Status Online Off: Profinet-AR-Status Offline
Ring:	Green: The switch is the manager in the MRP ring Off: The switch is not the manager in the MRP ring
VDC2:	Green: The VDC2 connection possesses sufficient voltage (12 V DC) Off: The VDC2 connection does not possess sufficient voltage
VDC1:	Green: The VDC1 connection possesses sufficient voltage (12 V DC) Off: The VDC1 connection does not possess sufficient voltage

### FX Ports

FAIL:	Red: No connection Off: Verbindung vorhanden
LIMIT:	Yellow: Low signal level Off: Sufficient signal level
LNK/ACT:	Green: Connection available Blinking: Sending or receiving packets Off: No connection

### TX Ports

FDX:	Green: Full duplex mode Off: No connection (LNK/ACT off) or half-duplex (LNK/ACT on)
LNK/ACT:	Yellow: Connection available Blinking: Sending or receiving packets Off: No connection