



Automatización Eléctrica
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FO converters - FL MC 2000T ST - 2891316

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FO converter with ST fiber optic connection (1300 nm), for converting 100Base-TX to multi-mode fiberglass. Auto MDI(X) function and comprehensive link diagnostics. DIN rail mountable with wide operating temperature range.

Product Description

The FL MC 2000T media converter comes with one 10/100 Mbps twisted-pair RJ45 port and one 100 Mbps multimode fiber port with an ST connector



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 869584

Technical data

Dimensions

Width	28 mm
Height	110 mm
Depth	70 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Altitude	4850 m
Degree of protection	IP20

General

Electrical isolation	VCC // FE // Ethernet
Latency	865 ns (Pass-through mode)
Test voltage data interface/power supply	500 V DC
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC

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Technical data

General

Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715
Net weight	298.5 g
Housing material	Aluminum

Power supply

Nominal supply voltage	24 V DC
Supply voltage range	12 V DC ... 48 V DC
Typical current consumption	110 mA (24 V DC)
Connection method	Plug-in screw terminal block (COMBICON), redundancy possible

Serial interface

Interface 1	Ethernet interface, 10/100BASE-T(X) in acc. with IEEE 802.3u
Connection method	RJ45 socket, shielded
Transmission medium	Copper
Transmission length	100 m (twisted pair, shielded)
Link through	Link fault pass through
MDI-/MDI-X switchover	Auto-MDI(X)
Signal LEDs	LNK/ACT, 100
Serial transmission speed	10/100 Mbps

Optical interface FO

Wavelength	1310 nm
Transmission length incl. 3 dB system reserve	8 km (fiberglass with F-G 62.5/125 0.7 dB/km F1000)
	3.3 km (fiberglass with F-G 62.5/125 2.6 dB/km F600)
	9.6 km (fiberglass with F-G 50/125 0.7 dB/km F1200)
	5.3 km (fiberglass with F-G 50/125 1.6 dB/km F800)
	2 km (HCS GI fiber with F-GK 200/230)
Transmission medium	Multi-mode fiberglass
	GI-HCS fiber
Connection method	B-FOC (ST®)

Digital outputs

Output name	Relay output
Output description	Alarm output
Number of outputs	1
Contact type	N/C contact
Maximum switching voltage	≤ 250 V AC
Max. switching current	1 A

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Type of test	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
Test result	5g, 150 Hz, Criterion 3

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Technical data

Standards and Regulations

Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	30g, 11 ms half-sine shock pulse
Shock	300 m/s ² , 11 ms (IEC 60068-2)
Standards/regulations	EN 61000-4-3
	EN 61000-4-4
	EN 61000-4-6

Classifications

eCl@ss

eCl@ss 5.1	27230207
eCl@ss 6.0	27230207
eCl@ss 8.0	19179290

ETIM

ETIM 5.0	EC001467
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Approvals

Approvals

Approvals

UL Listed / cUL Listed

Ex Approvals

UL Listed / cUL Listed

Approvals submitted

Approval details

UL Listed

cUL Listed

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Product	Code	Reference	Product link
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