

FO converters - FL MC 1000 SC - 2891320

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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

Product Description

The FL MC 1000 SC media converter comes with one 10/100 Mbps twisted-pair RJ45 port and one 100 Mbps multimode fiber port with an SC-duplex connector

Why buy this product

- Auto MDI/MDI-X switch-over
- Link fault pass through (LFP) function for easy connection monitoring
- Data transfer rates of 100 Mbps



Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	280.000 g
Custom tariff number	85176200
Country of origin	Taiwan

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
-------------------------	---

Dimensions

Width	28 mm
Height	110 mm
Depth	70 mm

Ambient conditions

FO converters - FL MC 1000 SC - 2891320

Technical data

Ambient conditions

Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	0 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)

General

Electrical isolation	VCC // FE // Ethernet
Latency	± 1.3 µs (Store&Forward mode, 10/100 Mbps, depending on the frame size)
Test voltage data interface/power supply	500 V DC
Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715
Net weight	280.3 g
UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D

Power supply

Nominal supply voltage	24 V DC
Supply voltage range	12 V DC ... 48 V DC
Typical current consumption	73 mA (24 V DC)
Connection method	Plug-in/screw connection via COMBICON
Conductor cross section flexible max.	2.50 mm ²
Conductor cross section flexible min.	0.20 mm ²
Conductor cross section solid max.	2.50 mm ²
Conductor cross section solid min.	0.20 mm ²
Max. AWG conductor cross section, flexible	12
Min. AWG conductor cross section, flexible	24
Conductor cross section AWG max.	12
Conductor cross section AWG min.	24

Serial interface

Interface 1	Ethernet interface, 100Base-Tx 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)

FO converters - FL MC 1000 SC - 2891320

Technical data

Optical interface FO

	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	SC duplex

Standards and Regulations

Type of test	Vibration (operation) in acc. with IEC 60068-2-6:1982
Test result	Operation: 5g, 150 Hz, criterion A
Type of test	Shock in acc. with IEC 60068-2-27:1997
Test result	30g, 11 ms period, half-sine shock pulse
UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D

Classifications

eCl@ss

eCl@ss 5.1	27230207
eCl@ss 6.0	27230207
eCl@ss 8.0	27143136
eCl@ss 9.0	27143136

ETIM

ETIM 5.0	EC001099
----------	----------

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed


Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

FO converters - FL MC 1000 SC - 2891320

Approvals

UL Listed  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 140324

cUL Listed  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 140324

cULus Listed 

Accessories

Accessories

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

FO converters - FL MC 1000 SC - 2891320

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

FO converters - FL MC 1000 SC - 2891320

Accessories

Patch cable - FL CAT5 PATCH 10,0 - 2832629



Patch cable, CAT5, assembled, 10.0 m

Safety locking

Security element - FL PATCH GUARD - 2891424



Lockable security element

Key - FL PATCH GUARD KEY - 2891521



Key for lockable security element
