

MC 1000T-MM WDM A - FO converters



1330494

<https://www.phoenixcontact.com/gb/products/1330494>

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 documentation. Our general terms of use for downloads are valid.



Fiber optic converter with SC-Simplex fiber optic connection (1310 nm) for converting 100Base-TX to multi-mode WDM fiberglass. Auto MDI(X) function, DIN rail mountable, and wide temperature range.

Product description

The MC 1000T-MM WDM A media converter comes with one 10/100 Mbps twisted-pair RJ45 port and one 100 Mbps WDM multi-mode fiber port with an SC-simplex connector and wide temperature range.

Your advantages

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

Commercial data

Item number	1330494
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNC314
Product key	DNC314
GTIN	4063151625849
Weight per piece (excluding packing)	180 g

MC 1000T-MM WDM A - FO converters



1330494

<https://www.phoenixcontact.com/gb/products/1330494>

Technical data

Product properties

Product type	Media converter
MTTF	69.1 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)
	508.3 Years ()
	702.5 Years (Telcordia standard, temperature 25 °C, operating cycle 100 % (7 days a week, 24 hours a day))

Electrical properties

Supply

Supply voltage range	12 V DC ... 57 V DC
Nominal supply voltage	24 V DC
	48 V DC
Typical current consumption	20 mA (24 V DC)
Max. current consumption	170 mA

Connection data

Supply

Connection method	Push-in spring connection
Conductor cross section, flexible	0.20 mm ² ... 2.50 mm ²
Conductor cross section, rigid	0.20 mm ² ... 2.50 mm ²
Conductor cross section, flexible [AWG]	24 ... 12
Conductor cross section AWG	24 ... 12
Stripping length	10.00 mm

Interfaces

Signal	Ethernet
--------	----------

Data: optical FO

Connection method	SC simplex
Wavelength	1310 nm (transmit)
	1550 nm (receive)
Transmission medium	Multi-mode fiberglass

Data: Ethernet interface, 10/100Base-T(X) in accordance with IEEE 802.3

Transmission speed	10/100 Mbps
Connection method	RJ45 jack, shielded
No. of channels	1
Transmission length	100 m (shielded twisted pair)
Transmission medium	Copper
Signal LEDs	LNK/ACT, SPD, Err, US, US2
Auto-negotiation modes	Auto

MC 1000T-MM WDM A - FO converters



1330494

<https://www.phoenixcontact.com/gb/products/1330494>

Link through	Link fault pass through
MDI-/MDI-X switchover	Auto-MDI(X)

Wireless

Transmit capacity, minimum	-10 dBm
Transmit capacity, maximum	0 dBm
Minimum receiver sensitivity	-28 dBm

Dimensions

Width	22.5 mm
Height	125 mm
Depth	90 mm

Material specifications

Housing material	Polyamide fiber reinforced
	Aluminum / steel sheet DC01

Cable/line

FO cable

Fiber types	50/125 µm
	62.5/125 µm
	Fiberglass

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP30
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 2000 m (in acc. with UL)
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Shock	300 m/s ² , 11 ms (IEC 60068-2)

Approvals

Conformity/Approvals

Conformance	CE-compliant
UL, USA / Canada	UL 61010-1, UL 61010-2-201 Class I, Div. 2, Groups A, B, C, D, T4 Class I, Zone 2, Group IIC, T4

EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
-------------------------------	---

Electrostatic discharge

Standards/regulations	EN 61000-4-2
-----------------------	--------------

MC 1000T-MM WDM A - FO converters



1330494

<https://www.phoenixcontact.com/gb/products/1330494>

Electrostatic discharge

Comments	Criterion B
----------	-------------

Electromagnetic HF field

Standards/regulations	EN 61000-4-3
-----------------------	--------------

Electromagnetic HF field

Comments	Criterion A
----------	-------------

Fast transients (burst)

Standards/regulations	EN 61000-4-4
-----------------------	--------------

Fast transients (burst)

Comments	Criterion A
----------	-------------

Surge current load (surge)

Standards/regulations	EN 61000-4-5
-----------------------	--------------

Surge current load (surge)

Comments	Criterion B
----------	-------------

Conducted interference

Standards/regulations	EN 61000-4-6
-----------------------	--------------

Conducted interference

Comments	Criterion A
----------	-------------

Emitted interference

Standards/regulations	EN 55032
-----------------------	----------

Mounting

Mounting type	DIN rail: 35 mm
Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715

MC 1000T-MM WDM A - FO converters



1330494

<https://www.phoenixcontact.com/gb/products/1330494>

Classifications

ECLASS

ECLASS-11.0	19170411
ECLASS-12.0	19170411
ECLASS-13.0	19170411

ETIM

ETIM 8.0	EC001467
----------	----------

MC 1000T-MM WDM A - FO converters



1330494

<https://www.phoenixcontact.com/gb/products/1330494>

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

1330494

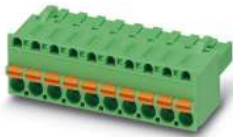
<https://www.phoenixcontact.com/gb/products/1330494>

Accessories

FKCT 2,5/ 3-ST KMGY BD:US,GND - PCB connector

1087544

<https://www.phoenixcontact.com/gb/products/1087544>



PCB connector, nominal cross section: 2.5 mm², color: light grey, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Socket, number of rows: 1, number of positions: 3, product range: FKCT 2,5/..-ST, pitch: 5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting: without, type of packaging: packed in cardboard

FKCT 2,5/ 3-ST KMGY - PCB connector

1998263

<https://www.phoenixcontact.com/gb/products/1998263>



PCB connector, nominal cross section: 2.5 mm², color: light grey, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: FKCT 2,5/..-ST, pitch: 5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting: without, type of packaging: packed in cardboard

MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

DT-LAN-CAT.6+ - Surge protection device

2881007

<https://www.phoenixcontact.com/gb/products/2881007>



Surge protection in accordance with Class E_A (CAT6_A), for Gigabit Ethernet (up to 10 Gbps), token ring, FDDI/CDDI, ISDN, and DS1. Suitable for Power over Ethernet (PoE++ / 4PPoE) "Mode A" and "Mode B". RJ45 attachment plug with separate grounding cable and ground connection snap-on foot for NS 35 DIN rails.

FL DIN-RAIL ADAPTER 22.5 - Mounting panel

1085485

<https://www.phoenixcontact.com/gb/products/1085485>



The FL DIN-RAIL ADAPTER 22.5 is designed to allow products 22.5 mm wide to be mounted flush to a standard 35 mm DIN rail, in any orientation.

MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

FL PANEL ADAPTER 22.5 - Mounting panel

1085488

<https://www.phoenixcontact.com/gb/products/1085488>



The FL PANEL ADAPTER 22.5 is designed to allow products 22.5 mm wide to be mounted flush to a panel, in any orientation.

E/NS 35 N - End bracket

0800886

<https://www.phoenixcontact.com/gb/products/0800886>



End clamp, width: 9.5 mm, color: gray

MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

FL CAT5 PATCH 0,5 - Patch cable

2832263

<https://www.phoenixcontact.com/gb/products/2832263>

Patch cable, CAT5, assembled, 0.5 m



FL CAT5 PATCH 1,0 - Patch cable

2832276

<https://www.phoenixcontact.com/gb/products/2832276>

Patch cable, CAT5, assembled, 1 m



MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

FL CAT5 PATCH 2,0 - Patch cable

2832289

<https://www.phoenixcontact.com/gb/products/2832289>

Patch cable, CAT5, assembled, 2 m



NBC-R4AC-R4AC-IE8A/.../... - Patch cable

1411854

<https://www.phoenixcontact.com/gb/products/1411854>

Patch cable, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, cable outlet: straight, Ethernet



MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

NBC-R4AC/10G-R4AC/10G-94F/2,0 - Patch cable

1408360

<https://www.phoenixcontact.com/gb/products/1408360>



Patch cable, CAT6_A, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 2.0 m

NBC-R4AC/10G-R4AC/10G-94F/3,0 - Patch cable

1408365

<https://www.phoenixcontact.com/gb/products/1408365>



Patch cable, CAT6_A, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 3.0 m

MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

FOC-LC:PA-SC:PA-OM2:D01/1 - FO patch cable

1115607

<https://www.phoenixcontact.com/gb/products/1115607>

Multi-mode OM2 duplex jumper, LC-SC, UPC polishing, length 1 m



FOC-LC:PA-SC:PA-OM2:D01/2 - FO patch cable

1115605

<https://www.phoenixcontact.com/gb/products/1115605>

Multi-mode OM2 duplex jumper, LC-SC, UPC polishing, length 2 m



MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

FOC-SC:PA-SC:PA-OM2:D01/1 - FO patch cable

1115536

<https://www.phoenixcontact.com/gb/products/1115536>

Multi-mode OM2 duplex jumper, SC-SC, UPC polishing, length 1 m

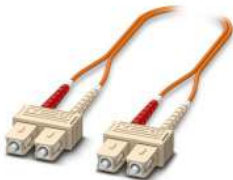


FOC-SC:PA-SC:PA-OM2:D01/2 - FO patch cable

1115535

<https://www.phoenixcontact.com/gb/products/1115535>

Multi-mode OM2 duplex jumper, SC-SC, UPC polishing, length 2 m



MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

FOC-ST:PA-SC:PA-OM2:D01/1 - FO patch cable

1115574

<https://www.phoenixcontact.com/gb/products/1115574>

Multi-mode OM2 duplex jumper, ST-SC, UPC polishing, length 1 m



FOC-ST:PA-SC:PA-OM2:D01/2 - FO patch cable

1115573

<https://www.phoenixcontact.com/gb/products/1115573>

Multi-mode OM2 duplex jumper, ST-SC, UPC polishing, length 2 m



MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

FOC-LC:PA-SC:PA-OM4:D01/1 - FO patch cable

1115601

<https://www.phoenixcontact.com/gb/products/1115601>

Multi-mode OM4 duplex jumper, LC-SC, UPC polishing, length 1 m



FOC-LC:PA-SC:PA-OM4:D01/2 - FO patch cable

1115600

<https://www.phoenixcontact.com/gb/products/1115600>

Multi-mode OM4 duplex jumper, LC-SC, UPC polishing, length 2 m



MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

FOC-SC:PA-SC:PA-OM4:D01/1 - FO patch cable

1115424

<https://www.phoenixcontact.com/gb/products/1115424>

Multi-mode OM4 duplex jumper, SC-SC, UPC polishing, length 1 m



FOC-SC:PA-SC:PA-OM4:D01/2 - FO patch cable

1115423

<https://www.phoenixcontact.com/gb/products/1115423>

Multi-mode OM4 duplex jumper, SC-SC, UPC polishing, length 2 m



MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

FOC-SC:PA-SC:PA-OS2:D01/1 - FO patch cable

1115550

<https://www.phoenixcontact.com/gb/products/1115550>

Single-mode OS2 duplex jumper, SC-SC, UPC polishing, length 1 m



FOC-SC:PA-SC:PA-OS2:D01/2 - FO patch cable

1115548

<https://www.phoenixcontact.com/gb/products/1115548>

Single-mode OS2 duplex jumper, SC-SC, UPC polishing, length 2 m



MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

FOC-ST:PA-SC:PA-OS2:D01/1 - FO patch cable

1115582

<https://www.phoenixcontact.com/gb/products/1115582>

Single-mode OS2 duplex jumper, ST-SC, UPC polishing, length 1 m



FOC-ST:PA-SC:PA-OS2:D01/2 - FO patch cable

1115581

<https://www.phoenixcontact.com/gb/products/1115581>

Single-mode OS2 duplex jumper, ST-SC, UPC polishing, length 2 m



MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>

FOC-LC:PA-SC:PA-OS2:D01/1 - FO patch cable

1115618

<https://www.phoenixcontact.com/gb/products/1115618>

Single-mode OS2 duplex jumper, LC-SC, UPC polishing, length 1 m



FOC-LC:PA-SC:PA-OS2:D01/2 - FO patch cable

1115617

<https://www.phoenixcontact.com/gb/products/1115617>

Single-mode OS2 duplex jumper, LC-SC, UPC polishing, length 2 m



MC 1000T-MM WDM A - FO converters

1330494

<https://www.phoenixcontact.com/gb/products/1330494>



SZS 0,4X2,0 - Screwdriver

1205202

<https://www.phoenixcontact.com/gb/products/1205202>



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

MC 1000T-MM WDM B - FO converters

1330509

<https://www.phoenixcontact.com/gb/products/1330509>



Fiber optic converter with SC-Simplex fiber optic connection (1310 nm) for converting 100Base-TX to multi-mode WDM fiberglass. Auto MDI(X) function, DIN rail mountable, and wide temperature range.

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd

Halesfield 13, Telford

Shropshire, TF7 4PG

01952 681700

info@phoenixcontact.co.uk