

1330723

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Fiber optic converter with ST (B-FOC) fiber optic connection (1310 nm) for converting 100Base-TX to single-mode fiberglass. Auto MDI(X) function, DIN rail mountable with ruggedized EMI protection and wide temperature range.

Product description

The MC 1000E-SM20 ST media converter comes with one 10/100 Mbps twisted-pair RJ45 port and one 100 Mbps single-mode fiber port with an ST (B-FOC) connector, ruggedized EMI protection, 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	1330723
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNC314
Product key	DNC314
GTIN	4063151626761
Weight per piece (excluding packing)	180 g



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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 ()
	551.7 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 mm² 2.50 mm²
Conductor cross section, rigid	0.20 mm² 2.50 mm²
Conductor cross section, flexible [AWG]	24 12
Conductor cross section AWG	24 12
Stripping length	10.00 mm

Interfaces

Signal

Data: optical FO	
Transmit capacity, minimum	-15 dBm
Transmit capacity, maximum	-8 dBm
Connection method	B-FOC (ST)
Wavelength	1310 nm
Minimum receiver sensitivity	-34 dBm
Transmission medium	Single-mode fiberglass

Ethernet

Data: Ethernet interface, 100Base-Tx in acc. with IEEE 802.3u

Transmission speed	10/100 Mbps
Connection method	RJ45 jack, shielded
No. of channels	1
Transmission length	100 m (twisted pair, shielded)
Transmission medium	Copper



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JK/ACT, SPD, Err, US, US2 uto nk fault pass through uto-MDI(X) 2.5 mm mm olyamide fiber reinforced uminum / steel sheet DC01
nk fault pass through uto-MDI(X) 2.5 mm 9 mm 9 mm
ato-MDI(X) 2.5 mm 2.5 mm 3 mm Olyamide fiber reinforced
2.5 mm 9 mm Olyamide fiber reinforced
5 mm mm olyamide fiber reinforced
5 mm mm olyamide fiber reinforced
mm Olyamide fiber reinforced
olyamide fiber reinforced
uminum / steel sheet DC01
//125 μm
5/125 μm
perglass
30
0 °C 75 °C
0 °C 85 °C
2000 m (in acc. with UL)
% 95 % (non-condensing)
0 m/s², 11 ms (IEC 60068-2)
3G Ex ec IIC T4 Gc
ec IIC T4 Gc
onformance with EMC Directive 2014/30/EU
onformance with EMC Directive 2014/30/EU
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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
ounting	
Mounting type	DIN rail: 35 mm
Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715



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Classifications

ECLASS

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



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Environmental product compliance

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



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Accessories

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

1087544

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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

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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



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

2881007

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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

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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.



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FL PANEL ADAPTER 22.5 - Mounting panel

1085488

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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

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End clamp, width: 9.5 mm, color: gray



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FL CAT5 PATCH 0,5 - Patch cable

2832263

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Patch cable, CAT5, assembled, 0.5 m

FL CAT5 PATCH 1,0 - Patch cable

2832276

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Patch cable, CAT5, assembled, 1 m



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FL CAT5 PATCH 2,0 - Patch cable

2832289

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Patch cable, CAT5, assembled, 2 m

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

1411854

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Patch cable, degree of protection: IP20, number of positions: 8, 10 Gbps, ${\rm CAT6_A}$, cable outlet: straight, Ethernet



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

1408360

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Patch cable, CAT6 $_{\rm A}$, 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

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Patch cable, CAT6 $_{\rm A}$, 4-pair, shielded, connection not crossed (line), assembled at both ends with RJ45/IP20 connectors, outer sheath material: PUR, length: 3.0 m



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

1115574

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



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

1115573

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





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

1115560

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



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

1115557

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





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FOC-LC:PA-ST:PA-OM2:D01/1 - Fiber optic cable

1115588

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



FOC-LC:PA-ST:PA-OM2:D01/2 - Fiber optic cable

1115587

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





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SZS 0,4X2,0 - Screwdriver

1205202

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

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