Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at http://www.download.phoenixcontact.com. The General Terms and Conditions of Use apply to Internet downloads.

▶ Extract from the online catalog

FO converter, for converting 10/100 BASE-T(X) to singlemode glass fiber, (1300 nm), SC duplex FO connection, rail-mountable, supply 24 V DC

Order No.	2708177
Ord designation	FL MC 10/100BASE-T/FO G1300 SM

EAN	4017918952723
Pack	1 Pcs.
Customs tariff	85176200
Weight/Piece	0.18666 KG
Catalog page information	Page 457 (IF-2007)

▶ Product notes

WEEE/RoHS-compliant since: 06/23/2007

IMPORTANT : This date is valid for Customers in Germany only. Date Format is MM/DD/YYYY.Please contact your local in-country Phoenix Contact location or designated business partner for a Logistics Compliant date in your area.In order to guarantee delivery of RoHS-Compliant product, please purchase Phoenix Contact parts from authorized Phoenix Contact representatives and distributors.

▶ Technical data

Serial interface

Interface 1	Ethernet interface, 10/100BASE-T(X) in acc. with IEEE 802.3u
Data rate	10/100 MBit/s
Transmission length	100 m (twisted pair, shielded)
Type of connection	RJ45 female connector, shielded
Auto-negotiation modes	Optionally transparent via TP and FO (default) or locally on TP
Link through	Link down is automatically forwarded to the second connection
MDI-/MDI-X switchover	Built-in switch for line (1:1) and crossover connection
Signal LEDs	Activity, link status, 100 mbps
Serial transmission rate	10/100 Mbps

Optical interface FO

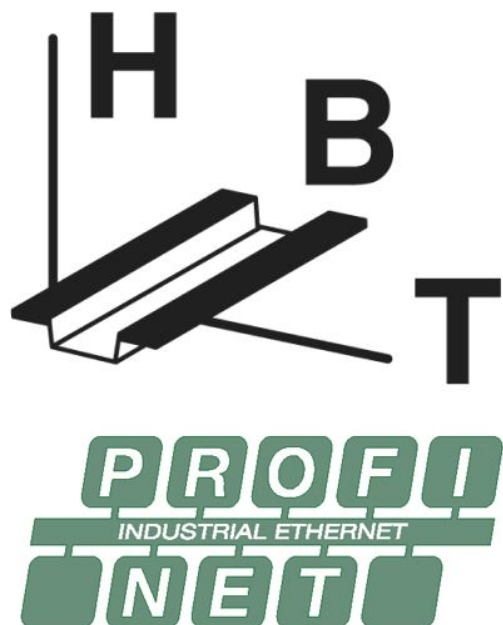|	
Wave length	1300 nm
Transmission length incl. 3 dB system reserve	Min. 36000 m (with F-G 9/125 0,36dB/km)
Transmission length incl. 3 dB system reserve	Min. 32000 m (with F-G 9/125 0,4 dB/km)
Transmission length incl. 3 dB system reserve	Min. 26000 m (with F-G 9/125 0,5 dB/km)
Type of connection	SC-DUPLEX

Power supply

Nominal supply voltage	24 V DC ±20 % (via pluggable COMBICON screw terminal block)
Nominal supply voltage	24 V DC ±5% (as an alternative or redundant, via backplane bus contact and system current supply)
Typical current consumption	Max. 95 mA
Protective circuitry	Polarity protection
Type of connection	Pluggable COMBICON screw terminal block

General data

Length	99 mm
Height	114.5 mm
Width	22.5 mm
Ambient temperature (operation)	0 °C ... 55 °C
Electrical isolation	10/100Base-T // supply
Test voltage data interface/power supply	1500 V
Electromagnetic compatibility	Conformance with EMC directive 89/336/EEC
Emitted interference	EN 50081-2
Immunity to interference	EN 61000-6-2
Degree of protection	IP20
Weight	120 g
Housing material	PA V0, color green
Color	green

▶ Drawings

Logo

▶ Accessories

Item	Designation	Description
Cable/conductor		
2744830	FL CAT5 FLEX	CAT5-SF/UTP cable (J-LI02YS(ST)C H 2 x 2 x 26 AWG), light-duty, flexible installation cable 2 x 2 x 0.14 mm², stranded, shielded, outer sheath: 5.75 mm ± 0.15 mm diameter
2744814	FL CAT5 HEAVY	CAT5-SF/UTP cable (J-02YS(ST)C HP 2 x 2 x 24 AWG), heavy-duty installation cable, 2 x 2 x 0.22 mm², solid conductor, shielded, outer sheath: 7.8 mm diameter, inner sheath: 5.75 mm ± 0.15 mm diameter
General		
2707437	ME 22,5 TBUS 1,5/ 5-ST-3,81 GN	Bus connector, gold-plated contacts, for mounting on DIN rail, 5-pos.
2866983	MINI-SYS-PS-100-240AC/24DC/1.5	Power supply unit, primary switched-mode, narrow design, output: 24 V DC / 1.5 A
Plug/Adapter		
2744571	FL PLUG RJ45 GN/2	RJ45 connector, shielded, with bend protection sleeve, 2 pieces, green for crossed cables, for assembly on site. For connections that are crossed, it is recommended that the connector set with green bend protection sleeves is used.
2744856	FL PLUG RJ45 GR/2	RJ45 connector, shielded, with bend protection sleeve, 2 pieces, gray for straight cables, for assembly on site. For connections that are not crossed, it is recommended that you use the connector set with gray bend protection sleeve.
Tools		
2744869	FL CRIMPTOOL	Crimping pliers, for assembling the RJ45 connectors FL PLUG RJ45..., for assembly on site

▶Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057
USA
Phone (800) 888-7388
Fax (717) 944-1625
http://www.phoenixcon.com
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