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► Extract from the online catalog



FO converter with integrated optical diagnosis, for DeviceNet™, CAN, CANopen to 800 Kbit/s, basic module, interfaces: 1 x CAN, 1 x alarm, 1 x FO (FSMA), 660 nm, for polymer/HCS fiber cable

Order No.	2708054
Ord designation	PSI-MOS-DNET CAN/FO 660/BM
EAN	4017918943226
Pack	1 Pcs.
Customs tariff	85176200
Weight/Piece	0.1722 KG
Catalog page information	Page 445 (IF-2007)

► Product notes

WEEE/RoHS-compliant since: 12/12/2006



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	CAN interface, in accordance with ISO/IS 11898 for DeviceNet, CAN, CANopen
Data rate	max. 800 kBit/s
Termination resistor	120 Ω , integrated connection in the basic module
Transmission length	Max. 5000 m (Dependent on the data rate and the protocol used)
Type of connection	Pluggable COMBICON screw terminal block
Serial transmission rate	Maximum 800 kbps

Optical interface FO

Transmit capacity, minimum	-6.2 dBm (980/1000 μ m)
Transmit capacity, minimum	-16.9 dBm (200/230 μ m)
Minimum receiver sensitivity	-30.20 dBm
Wave length	660 nm
Transmission length incl. 3 dB system reserve	Min. 100 m (With F-K 980/1000 230 dB/km with a quick mounting connector)
Transmission length incl. 3 dB system reserve	Min. 800 m (with F-S 200/230 10 dB/km with quick mounting plug)
Type of connection	F-SMA

Fault warning output

Maximum switching voltage	60 V DC
Maximum switching voltage	42 V AC
Limiting continuous current	1 A

Power supply

Nominal supply voltage	24 V DC \pm 25%
Range of supply voltages	10 V DC ... 48 V DC
Typical current consumption	Max. 100 mA
Type of connection	Pluggable COMBICON screw terminal block through basic module

General data

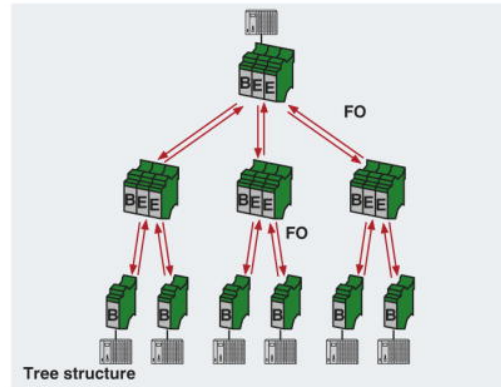
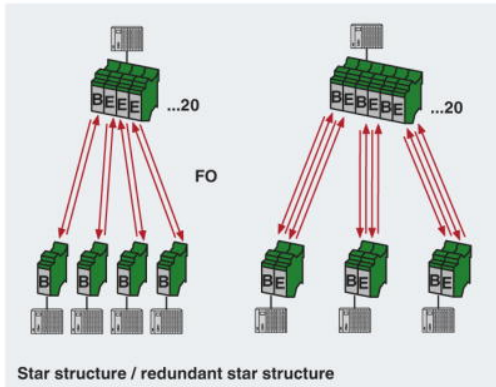
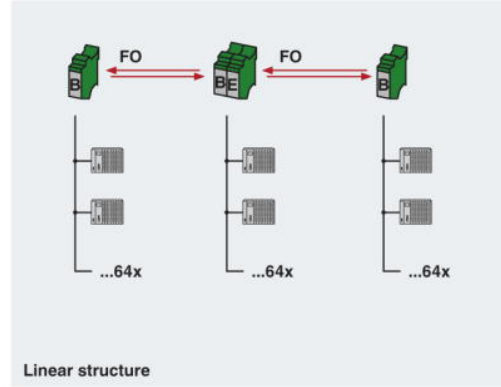
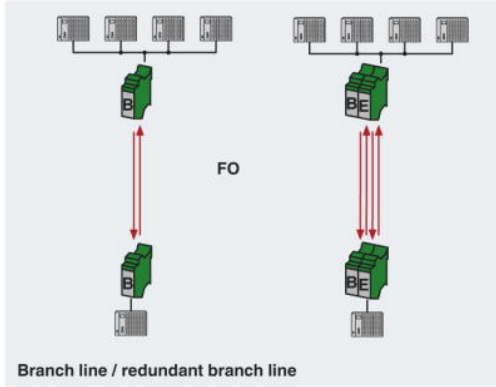
Bit distortion, input	\pm 35 % (permitted)
Bit distortion output	< 6.25 %
Length	99 mm
Height	114.5 mm
Width	22.5 mm
Ambient temperature (storage/transport)	-40 $^{\circ}$ C ... 85 $^{\circ}$ C
Ambient temperature (operation)	-20 $^{\circ}$ C ... 60 $^{\circ}$ C
Electrical isolation	CAN//Supply
Electromagnetic compatibility	Conformance with EMC directive 89/336/EEC
Emitted interference	EN 55011
Immunity to interference	EN 61000-6-2
Degree of protection	IP20
Housing material	PA 6.6-FR
Color	green
MTBF	372000 h in accordance with the Telcordia standard (ambient temperature 25 $^{\circ}$ C)
MTBF	204000 h in accordance with the Telcordia standard



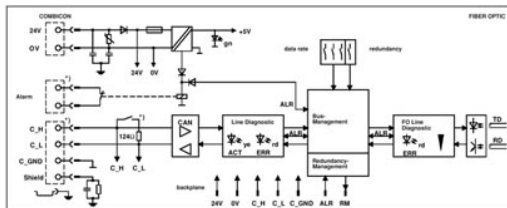
(ambient temperature 40°C)

▸ Drawings

Application drawing

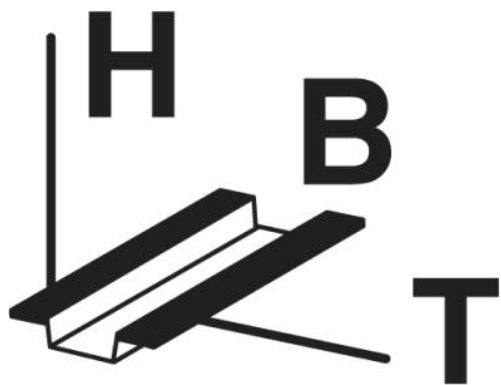


Block diagram



*) Only in the basic module

Logo



► Accessories

Item	Designation	Description
Cable/conductor		
2799885	PSM-LWL-HCS-RUGGED-200/230	HCS cable, duplex 200/230 μm , by the meter, without connector, for indoor installation
2799445	PSM-LWL-HCSO-200/230	HCS cable, duplex 200/230 μm , by the meter, without connector, for outdoor installation
2744319	PSM-LWL-KDHEAVY-980/1000	Polymer fiber cable, duplex 980/1000 μm , medium-weight version for permanent indoor installation, by the meter, without connector
2744322	PSM-LWL-RUGGED-980/1000	Polymer fiber cable, duplex 980/1000 μm , heavy-weight version for permanent indoor installation, by the meter, without connector
2744982	PSM-LWL-RUGGED-FLEX	Polymer fiber cable, duplex 980/1000 μm , heavy-weight, highly flexible version for flexible conduit applications, by the meter, with connector
2744335	PSM-LWL-RUGGED-FLEX-980/1000	Polymer fiber cable, duplex 980/1000 μm , heavy-weight, highly flexible version for flexible conduit applications, by the meter, without connector
2744937	PSM-LWL/HCS-RUGGED	HCS cable, duplex 200/230 μm , by the meter, with connector, for indoor installation
2744940	PSM-LWL/HCSO	HCS cable, duplex 200/230 μm , by the meter, with connector, for outdoor installation
2744966	PSM-LWL/KDHEAVY	Polymer fiber cable, duplex 980/1000 μm , medium-weight version for permanent indoor installation, by the meter, with connector
2744979	PSM-LWL/RUGGED	Polymer fiber cable, duplex 980/1000 μm , heavy-weight version for permanent indoor installation, by the meter, with connector
Plug/Adapter		
2799416	PSM-SET-FSMA-LINK/2	Coupling; set consisting of 2 couplings for connecting F-SMA plugs
2799487	PSM-SET-FSMA/4-HCS	F-SMA plug set for HCS fiber, for self assembly consisting of 4 quick mounting connectors with bend protection sleeve
2799720	PSM-SET-FSMA/4-KT	F-SMA plug set for polymer fiber, for self assembly consisting of 4 quick mounting connectors with bend protection sleeve
2744694	SUBCON-PLUS-CAN	D-SUB connector, 9-pin, with two cable entries
2306566	SUBCON-PLUS-CAN/AX	
2708119	SUBCON-PLUS-CAN/PG	Angled CANopen connector with additional PG connection
Tools		
1206146	KAMES LWL	Cable knife for polymer fiber, for external sheath
2799539	PSM-FO-POWERMETER	Fiber optic measuring case, consisting of an optical power meter, F-SMA, B-FOC adapters, reference fibers and operating instructions
2744199	PSM-FO-STRIP	Stripping pliers for polymer fiber, for individual elements
2799526	PSM-HCS-KONFTOOL	HCS DIY case for F-SMA quick mounting connector, including four F-SMA quick mounting connectors, stripping knife, stripping pliers, Aramid yarn scissors, fiber stripper, fiber cleaving tool and microscope

2744131	PSM-POF-KONFTOOL	Polymer fiber DIY case, consisting of: Stripping knife, stripping pliers, polishing wheels for F-SMA and SCRJ quick mounting connectors, polishing pad and emery paper
2799348	PSM-SET-FSMA-POLISH	Polymer fiber polishing set, for F-SMA quick mounting connectors
1205037	SZS 0,4X2,5	Screwdriver, bladed, matches all screw terminal blocks up to 1.5 mm ² connection cross section, blade: 0.4 x 2.5 mm

► Address

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstr. 8

32825 Blomberg

Germany

Phone +49 5235 3 00

Fax +49 5235 3 41200

<http://www.phoenixcontact.de>

Phoenix Contact

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