

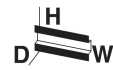
PSI-MOS-RS232/FO 660 E

Order No.: 2708368




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2708368>

FO converter with integrated optical diagnosis, alarm contact, for RS-232 interfaces up to 115.2 kbps, terminal equipment with an FO interface (FSMA), 660 nm, for polymer/HCS fiber cable



RS-232

Commercial data

GTIN (EAN)	 4 017918 974060
sales group	H622
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 513 (IF-2011)

Product notes

WEEE/RoHS-compliant since:
05/31/2007



<http://www.download.phoenixcontact.com>
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. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Serial interface

Interface 1	V.24 (RS-232) interface in acc. with ITU-T V.28, EIA/TIA-232, DIN 66259-1
Transmission length	15 m
Connection method	D-SUB-9 male connector

Serial transmission speed	115.2 kbps (NRZ)
Optical interface FO	
Transmit capacity, minimum	-4.6 dBm (980/1000 μ m)
	-16.6 dBm (200/230 μ m)
Minimum receiver sensitivity	-31.20 dBm
Wavelength	660 nm
Transmission length incl. 3 dB system reserve	100 m (With F-P 980/1000 230 dB/km with quick mounting connector)
	800 m (With F-K 200/230 10 dB/km with quick mounting connector)
Connection method	F-SMA
Fault warning output	
Maximum switching voltage	60 V DC
	42 V AC
Limiting continuous current	1 A
Power supply	
Nominal supply voltage	24 V DC \pm 25%
Supply voltage range	18 V DC ... 32 V DC
Typical current consumption	85 mA (24 V DC)
Connection method	COMBICON plug-in screw terminal block
General data	
Transmission channels	2 (1/1), RxD, TxD, full duplex
Bit distortion, input	\pm 35 % (permitted)
Bit distortion, output	< 6.25 %
Width	35 mm
Height	99 mm
Depth	105 mm
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (operation)	-20 °C ... 60 °C
Electrical isolation	(VCC // V.24 (RS-232))
Test voltage data interface/power supply	1.5 kV _{rms} (50 Hz, 1 min.)
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 55011
Noise immunity	EN 61000-6-2:2005

Degree of protection	IP20
Housing material	PA V0, color green
Color	green
MTBF	485 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day)) 91 Years (Telcordia standard, 40°C temperature, 34.25% operating cycle (5 days a week, 12 hours a day))
ATEX	Ex II 3 G Ex nAC IIC T4 X Ex II (2) GD [Ex op is] IIC (PTB 06 ATEX 2042 U)
UL, USA / Canada	Class I, zone 2, AEx nc IIC

Certificates / Approvals



Certification	CUL, UL
Certification Ex:	CUL-EX LIS, PTB, UL-EX LIS

Accessories

Item	Designation	Description
Cable/conductor		
2761059	PSM-KA 9 SUB 25/BB/2METER	RS-232 cable, 9-pos. D-SUB female connector 25-pos on D-SUB female connector
2708520	PSM-KA9SUB9/BB/0,5METER	RS-232 cable, 9-pos. D-SUB female connector on 9-pos. D-SUB female connector, 9-wire, 1:1
2799474	PSM-KA9SUB9/BB/2METER	RS-232 cable, 9-pos. D-SUB female connector on 9-pos. D-SUB female connector, 9-wire, 1:1
2319200	PSM-KAD-IL RS232/9SUB/B/0,8M	Adapter cable to connect the IB IL RS232 and IB IL RS232-PRO Inline communication terminals to the interface converter, e.g. modem, Com server, Bluetooth or fiber optics.
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 µm/1000 µm, heavy version for permanent indoor installation, sold by the meter without connectors
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

General

2709561	ME 17,5 TBUS 1,5/ 5-ST-3,81 GN	DIN rail connector for DIN rail power supply unit, gold-plated contacts, for DIN rail mounting, 5-pos.
2890014	ME 17,5 TBUS 1,5/PP000-3,81 BK	Plug component
2866983	MINI-SYS-PS-100-240AC/24DC/1.5	DIN rail power supply unit, primary-switched mode, slim design, output: 24 V DC / 1.5 A
2744416	PSM-ME-RS232/RS485-P	Interface converter, for converting RS-232 (V.24) to RS-422 (V.11) and RS-485, with electrical isolation, 2 channels, rail-mountable

Plug/Adapter

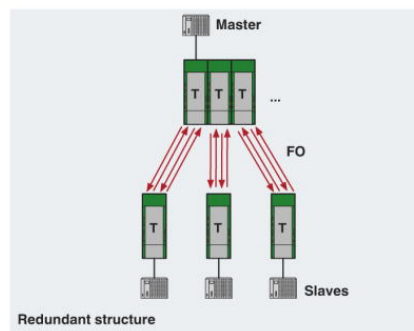
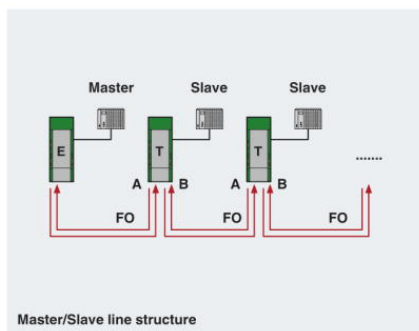
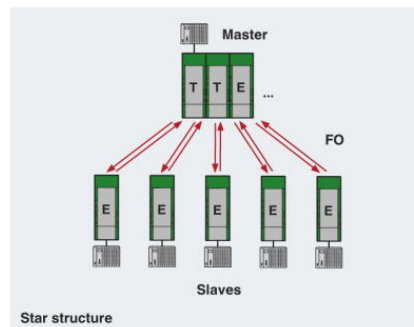
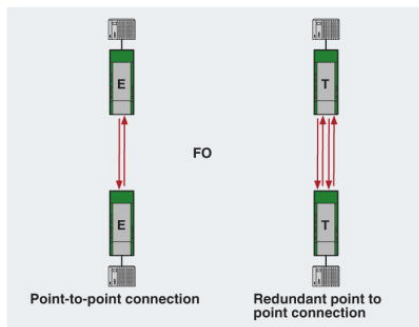
2799416	PSM-SET-FSMA-LINK/2	Coupling; set consisting of 2 couplings for connecting F-SMA plugs
2799487	PSM-SET-FSMA/4-HCS	F-SMA plug set for HCS fiber, for self assembly consisting of 4 quick mounting connectors with bend protection sleeve
2799720	PSM-SET-FSMA/4-KT	F-SMA plug set for polymer fiber, for self assembly consisting of 4 quick mounting connectors with bend protection sleeve
2744241	SUBCON-PLUS 9/F	D-SUB connector, 9-pos. female connector, two cable entries < 35°, universal type for all systems, pin assignment: 1, 2, 3, 4, 5, 6, 7, 8, 9 to one screw connection terminal block
2744018	SUBCON-PLUS 9/M	D-SUB connector, 9-pos., male connector, two cable entries < 35°, universal type for all systems, pin assignment: 1, 2, 3, 4, 5, 6, 7, 8, 9 to one screw connection terminal block

Tools

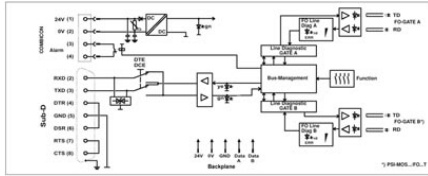
2799539	PSM-FO-POWERMETER	Fiber optic measuring case, consisting of an optical power meter, F-SMA, B-FOC adapters, reference fibers and operating instructions
2799526	PSM-HCS-KONFTOOL	HCS assembly kit for F-SMA quick mounting connectors, including stripping blade, stripping pliers, aramide yarn scissors, fiber stripper, microscope, fiber cleaving tool for standard HCS fibers, and documentation
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 VDE	Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

Diagrams/Drawings

Application drawing



Block diagram



*) only with PSI-MOS.../FO...T

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