

PSM-EG-RS485W2/FO-T/G

This product has been replaced by a newer version.

Order No.: 2761813


The illustration shows versions PSM-EG-RS485W2/FO-T/G and PSM-EG-RS485W2/FO-T/K



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T-coupler for converting RS-485 2-wire cable to two fiber optic cables, glass fiber, connection system: B-FOC, rail-mountable, max. data rate 57.6 kbps, not suitable for PROFIBUS/MPI

Commercial data

GTIN (EAN)	
Note	Made-to-order
sales group	H621
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 390 (IF-2002)

<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	RS-485 interface, 2-wire
Operating mode	Semi-duplex
File format/coding	UART (11/10 bit switchable; NRZ), slip-tolerant

Data direction switching	Automatic control
Termination resistor	150 Ω can be connected; pull up/down 390 Ω
Connection method	D-SUB-9 female connector
	COMBICON
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Serial transmission speed	6/ 19.2/ 38.4/ 57.6/ 75/ 93.75/ 115.2/ 136/ 187.5/ 375/ 500/ 1500 kbps

Optical interface FO

Transmission power	28.18 μW (- 15,5 dBm at 50/125 μm)
	63.1 μW (- 12 dBm at 62.5/125 μm)
Transmit capacity, minimum	-15.5 dBm (50/125 μm)
	-12 dBm (62,5/125 μm)
Minimum receiver sensitivity	-25.00 dBm (50/125 μm)
	-25.00 dBm (62,5/125 μm)
Wavelength	850 nm
Transmission length incl. 3 dB system reserve	2700 m (with F-G 50/125 2.5 dB/km)
	2100 m (with F-G 50/125 3.0 dB/km)
	2900 m (With F-G 50/125 3,4 dB/km)
	3300 m (with F-G 62,5/125 3.0 dB/km)
	2600 m (with F-G 50/125 2.5 dB/km)
Transmission protocol	Protocol-transparent to the RS-485 interface
Connection method	B-FOC (ST [®])

Fault warning output

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

Power supply

Nominal supply voltage	24 V DC ±20 % (via COMBICON)
Typical current consumption	max. 110 mA

General data

Bit delay	≤ 0,8 Bit
Bit distortion, input	± 35 %

Bit distortion, output	≤ 5 %
Width	45 mm
Height	75 mm
Depth	112 mm
Ambient temperature (operation)	0 °C ... 50 °C
Electrical isolation	RS-485 // supply
Test voltage data interface/power supply	2 kV AC
Electromagnetic compatibility	Conformance with EMC directive 89/336/EC
Noise emission	EN 50081-2
Noise immunity	EN 50 082-2
Degree of protection	IP20
Net weight	220 g
Housing material	ABS
Color	green

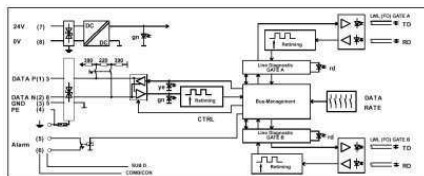
Certificates / Approvals



Certification CUL, GOST, UL
 Certification Ex: CUL-EX, UL-EX

Diagrams/Drawings

Circuit diagram



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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