

OPTOSUB-PLUS-K/IN - FO converters

2799584

<https://www.phoenixcontact.com/us/products/2799584>

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The figure shows version OPTOSUB-PLUS-G/IN and OPTOSUB-PLUS-K/IN

INTERBUS/fiber optic adapter, for converting the remote IN interface to polymer/PCF fiber, connection system: F-SMA

Commercial data

Item number	2799584
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN06
Product key	DNC281
GTIN	4017918129736
Weight per piece (including packing)	43.7 g
Weight per piece (excluding packing)	35.97 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Electrical properties

Supply

Nominal supply voltage	none, supply from data channel
Typical current consumption	typ. 30 mA

Interfaces

Signal	INTERBUS
Transmission channels	2 (1/1), RxD, TxD, full duplex

Data: optical FO

Transmission power	354.81 μ W (-4.5 dBm at 980/1000 μ m)
	11.22 μ W (-19.5 dBm at 200/230 μ m)
Transmission length incl. 3 dB system reserve	50 m (F-P 980/1000 230 dB/km with quick mounting connector)
	300 m (with F-S 200/230 10 dB/km)
	100 m (F-S 200/230 10 dB/km, OPTOSUB/FO bus terminal module)
Connection method	F-SMA
Wavelength	660 nm
Minimum receiver sensitivity	-26 dBm
Transmission medium	Polymer fiber
	PCF fiber

Data: RS-485 interface INTERBUS in acc. with DIN 50254

Serial transmission speed	500 kbps
Connection method	D-SUB-9 female connector
Transmission medium	Copper

Dimensions

Width	16.3 mm
Height	57 mm
Depth	31.3 mm

Material specifications

Material (Housing)	ABS
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Cable/line

FO cable

Fiber types	200/230 μ m
	980/1000 μ m
	PCF fiber
	Polymer fiber

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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)

0 °C ... 55 °C

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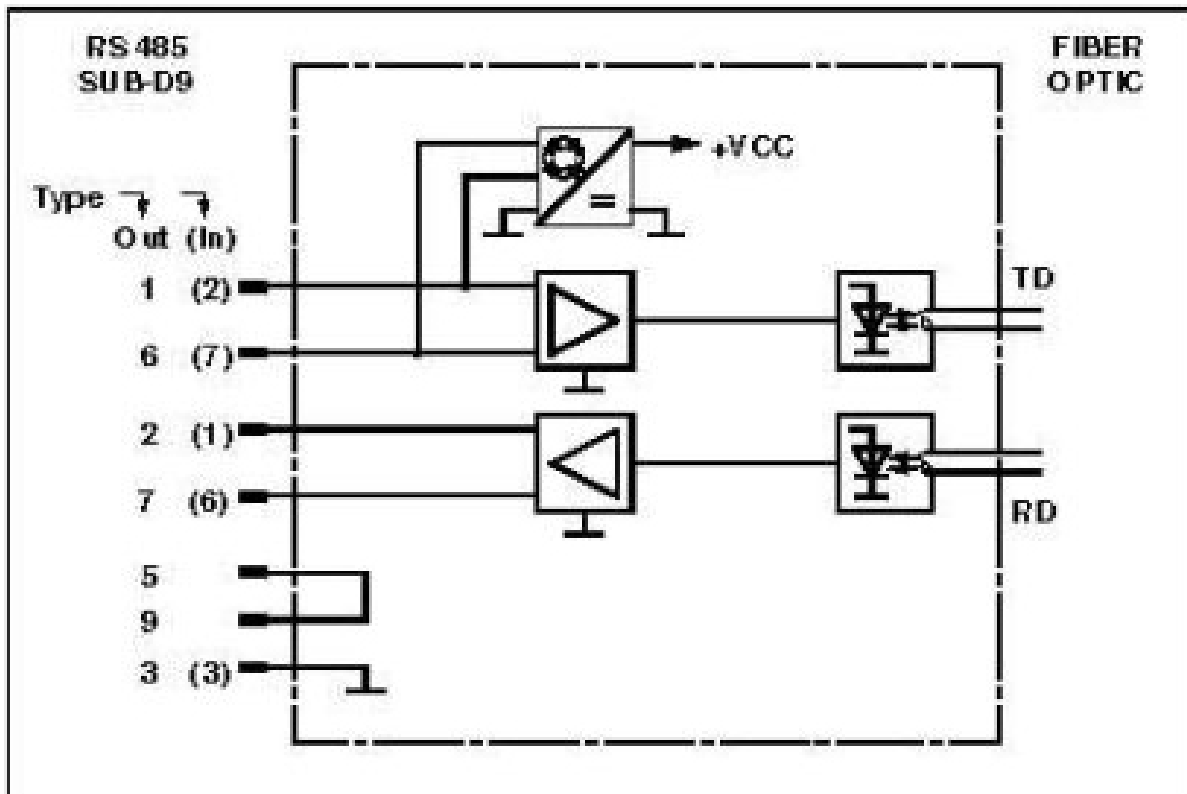


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Drawings

Connection diagram



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Classifications

UNSPSC

UNSPSC 21.0	43223323
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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