

# 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

### Product properties

Product type	Media converter
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### 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), Rx/D, Tx/D, full duplex

#### Data: optical FO

Transmission power	354.81 $\mu$ W (-4.5 dBm at 980/1000 $\mu$ m)
	11.22 $\mu$ W (-19.5 dBm at 200/230 $\mu$ 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 $\mu$ m
	980/1000 $\mu$ m

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	PCF fiber
	Polymer fiber

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	0 °C ... 55 °C
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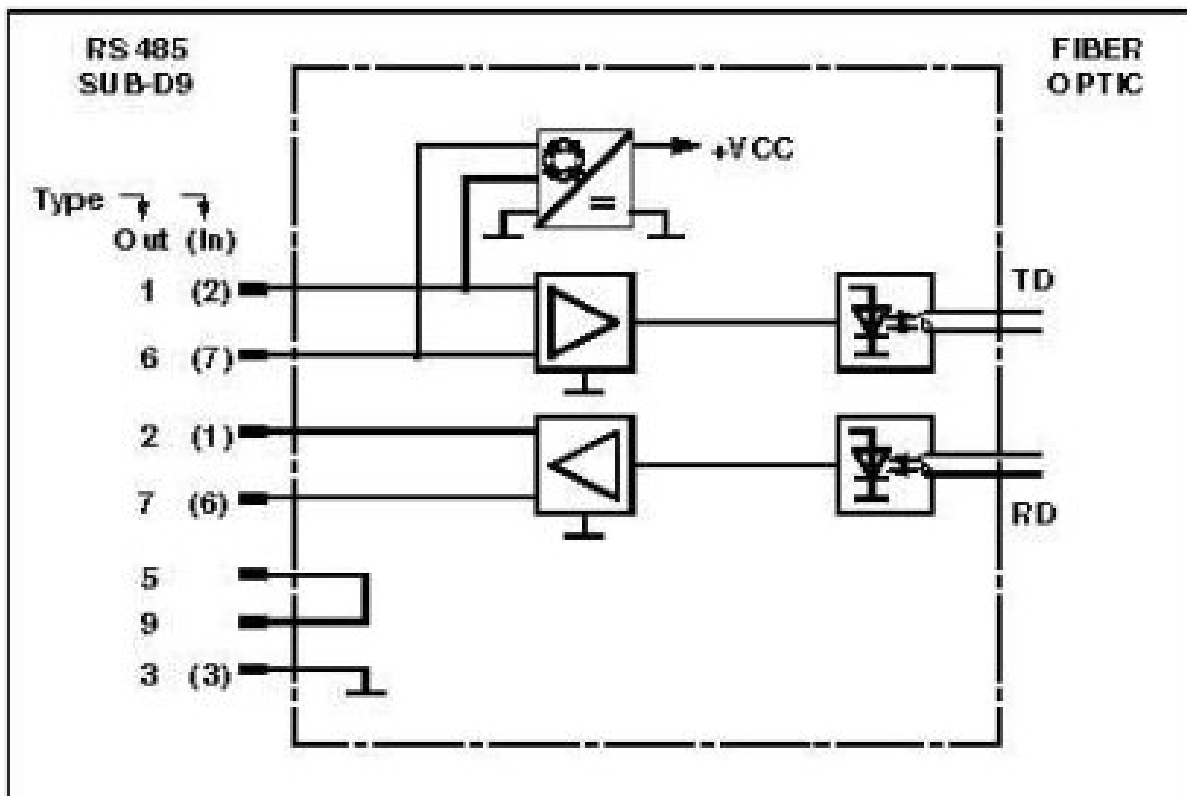
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## Drawings

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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