

# OPTOSUB-PLUS-G/IN - FO converters

2799623

<https://www.phoenixcontact.com/us/products/2799623>

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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 fiberglass, connection system: B-FOC

## Commercial data

Item number	2799623
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN06
Product key	DNC282
GTIN	4017918129729
Weight per piece (including packing)	45.2 g
Weight per piece (excluding packing)	31.19 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### 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	25.12 $\mu$ W (-16 dBm at 50/125 $\mu$ m)
	25.12 $\mu$ W (-16 dBm at 62.5/125 $\mu$ m)
Transmission length incl. 3 dB system reserve	3300 m (with F-G 50/125 2.5 dB/km)
	57 m (with F-G 50/125 3.0 dB/km)
	2300 m (with F-G 50/125 3.4 dB/km)
Connection method	B-FOC (ST®)
Wavelength	850 nm
Minimum receiver sensitivity	-27 dBm
Transmission medium	Multi-mode fiberglass

#### 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 (metal-plated)
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### Cable/line

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## FO cable

Fiber types	50/125 $\mu\text{m}$
	62.5/125 $\mu\text{m}$
	Fiberglass

## Environmental and real-life conditions

### Ambient conditions

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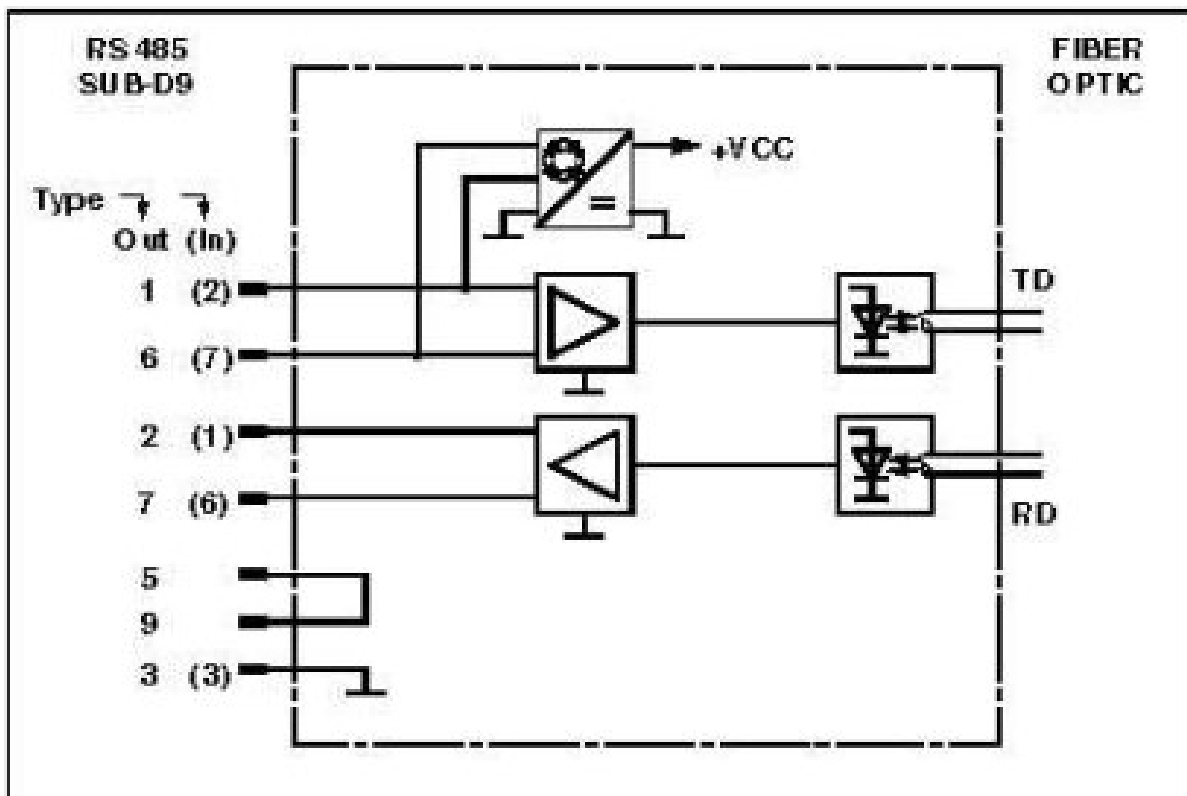
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## Drawings

Connection diagram



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## 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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