

# FL MC EF WDM-SET SC - FO converters



2902660

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FO converter set, consisting of type A devices and type B devices, for full duplex transmission from 10/100Base-T(X) to individual simplex fiberglass with WDM (wavelength division multiplex) technology. SC simplex fiber optic connection (1550/1310 nm).

## Product description

Optical transmission with FO technology provides superior immunity to interference at maximum transmission ranges without restricting the transmission bandwidth.

## Your advantages

- Device set for operation on one fiber
- Full duplex communication with only one fiber
- Transmission ranges up to 38 km
- Auto negotiation
- Auto MDI/MDI-X switch-over
- Link fault pass through (LFPT) and far end fault (FEF) functions for easy connection monitoring
- 10/100 Mbps
- Shipbuilding approval in accordance with DNV GL

## Commercial data

Item number	2902660
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN06
Product key	DNC311
Catalog page	Page 350 (C-6-2019)
GTIN	4046356670616
Weight per piece (including packing)	403.5 g
Weight per piece (excluding packing)	434 g
Customs tariff number	85176200
Country of origin	DE

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## Set consists of

### FL MC EF WDM-A SC - FO converters

2902658

<https://www.phoenixcontact.com/us/products/2902658>



FO converter (replacement device A), for full duplex transmission from 10/100Base-T(X) to individual simplex fiberglass with WDM (wavelength division multiplex) technology, SC simplex fiber optic connection (1310/1550 nm). Device set (type A and type B) required for operation.

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### FL MC EF WDM-B SC - FO converters

2902659

<https://www.phoenixcontact.com/us/products/2902659>



FO converter (replacement device B), for full duplex transmission from 10/100Base-T(X) to individual simplex fiberglass with WDM (wavelength division multiplex) technology, SC simplex fiber optic connection (1550/1310 nm). Device set (type A and type B) required for operation.

## Technical data

### Notes

#### Utilization restriction

##### CCCex note

Use in potentially explosive areas is not permitted in China.

### Product properties

##### Product type

Media converter

### Interfaces

##### Signal

Ethernet

#### Data: optical FO

##### Transmission length incl. 3 dB system reserve

38 km (F-E 9/125 0.36 dB/km)

34 km (F-E 9/125 0.4 dB/km)

28 km (F-E 9/125 0.5 dB/km)

21 km (F-G 62.5/125 0.7 dB/km F 1000)

5.5 km (F-G 62.5/125 2.6 dB/km F 600)

21 km (F-G 50/125 0.7 dB/km F 1200)

9 km (F-G 50/125 1.6 dB/km F 800)

##### Connection method

SC simplex

##### Wavelength

1550 nm

1310 nm

##### Transmission medium

Multi-mode fiberglass

Single-mode fiberglass

#### Data

##### Transmission medium

Copper

### Material specifications

##### Color (Housing)

green (RAL 6021)

### Environmental and real-life conditions

#### Ambient conditions

##### Ambient temperature (operation)

-40 °C ... 65 °C

##### Altitude

≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation)

≤ 2000 m (in acc. with UL)

### Approvals

#### EAC

##### Identification

EAC

#### Corrosive gas test

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Identification	ISA-S71.04-1985 G3 Harsh Group A
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Shipbuilding

Identification	DNV GL
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DNV GL data

Temperature	B
Humidity	A
Vibration	A
EMC	B
Enclosure	Required protection according to the Rules shall be provided upon installation on board

Mounting

Mounting type	DIN rail mounting
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## Classifications

### ECLASS

ECLASS-11.0	19170411
ECLASS-12.0	19170411
ECLASS-13.0	19170411

### ETIM

ETIM 9.0	EC001467
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### UNSPSC

UNSPSC 21.0	43201500
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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