

# FB-SM-FO/ST - FO converters

1086569

<https://www.phoenixcontact.com/us/products/1086569>

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Single-mode fiber optic converter to be used with the FB-HSB-DP/PA station. These fiber optic modules provide longer distances between FB-HSB-DP/PA stations, reduce noise, allow multiple topologies, as well as ring redundancy.

## Your advantages

- Longer distances up to 5 km cable length
- Singlemode
- Provides ring, point-to-point, and line topologies
- Noise reduction

## Commercial data

Item number	1086569
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DN11
Product key	DNC135
GTIN	4055626879277
Weight per piece (including packing)	272 g
Weight per piece (excluding packing)	157 g
Customs tariff number	85176200
Country of origin	NL

## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
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### Product properties

Product type	Media converter
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### Dimensions

Width	25 mm
Height	110 mm
Depth	115 mm

### Material specifications

Color	green
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### Cable/line

#### FO cable

Fiber types	9/125 µm
	Fiberglass

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 60 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)

### Approvals

#### Conformity/Approvals

UL, USA / Canada	UL 508 Listed
UL, Canada	CSA C22.2 No. 142

### Standards and regulations

#### Standards/regulations

Standards/regulations	Ring wave noise immunity in acc. with IEC 61000-4-12
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#### Standards/regulations

Standards/regulations	Dry heat in acc. with IEC 61131-2
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#### Standards/regulations

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Standards/regulations	Damp heat in acc. with IEC 61131-2
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## Standards/regulations

Standards/regulations	Shock and vibration in acc. with EN 61131-2 and EN 50178
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## PROFIBUS standardization

Standards/regulations	IEC 61158-2
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## Mounting

Mounting type	DIN rail: 35 mm
Mounting position	on horizontal DIN rail NS 35 in acc. with EN 60715

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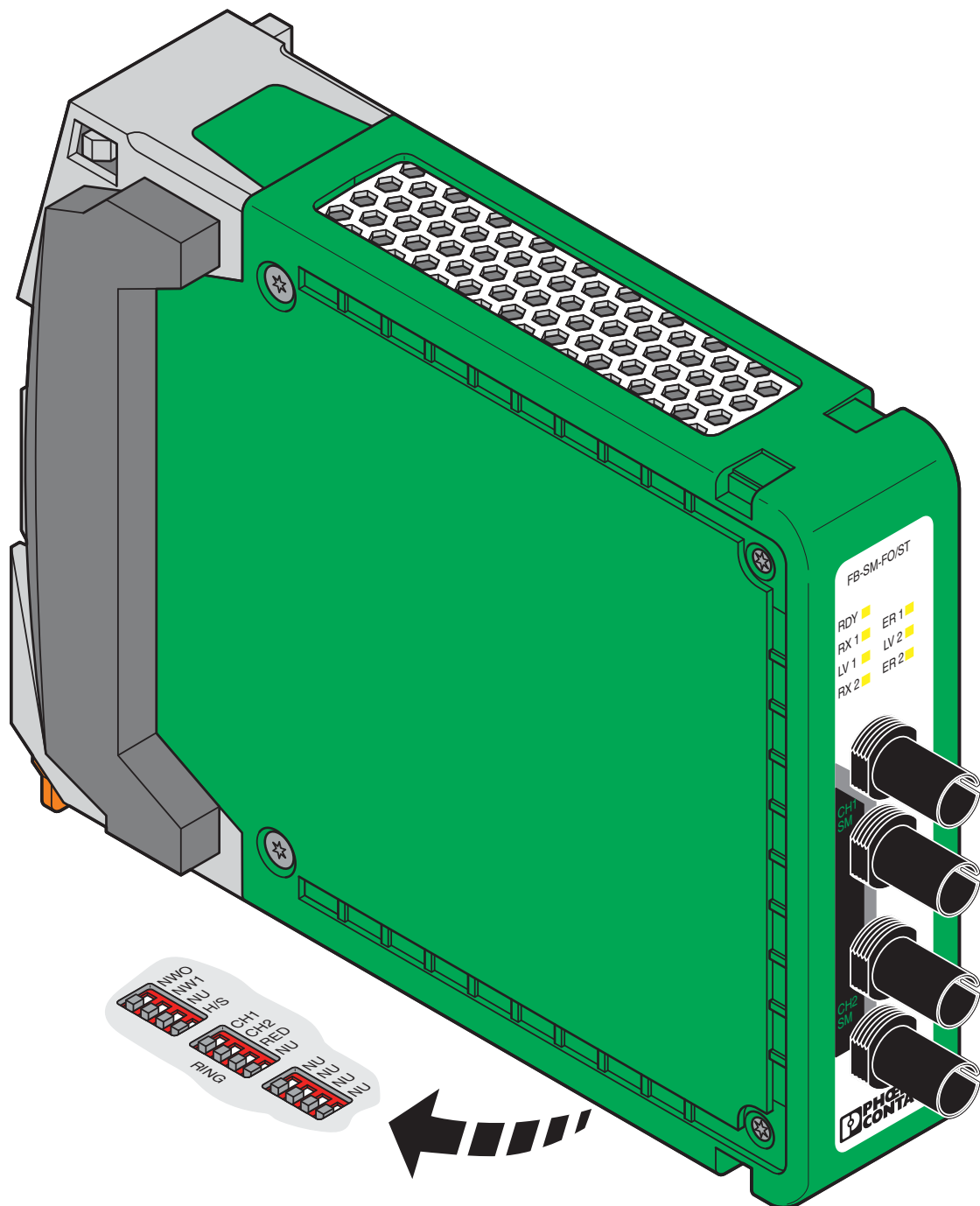
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## Drawings

Product drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1086569>



**UL Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: E238705

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## Classifications

### ECLASS

ECLASS-13.0

19170411

### ETIM

ETIM 9.0

EC001467

### UNSPSC

UNSPSC 21.0

43223323

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## Environmental product compliance

EU REACH SVHC

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