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
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

Product properties

Product type	Media converter

Dimensions

Width	25 mm
Height	110 mm
Depth	115 mm

Material specifications

Color	green

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

Standards/regulations

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

Standards/regulations

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

Standards/regulations

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

PROFIBUS standardization

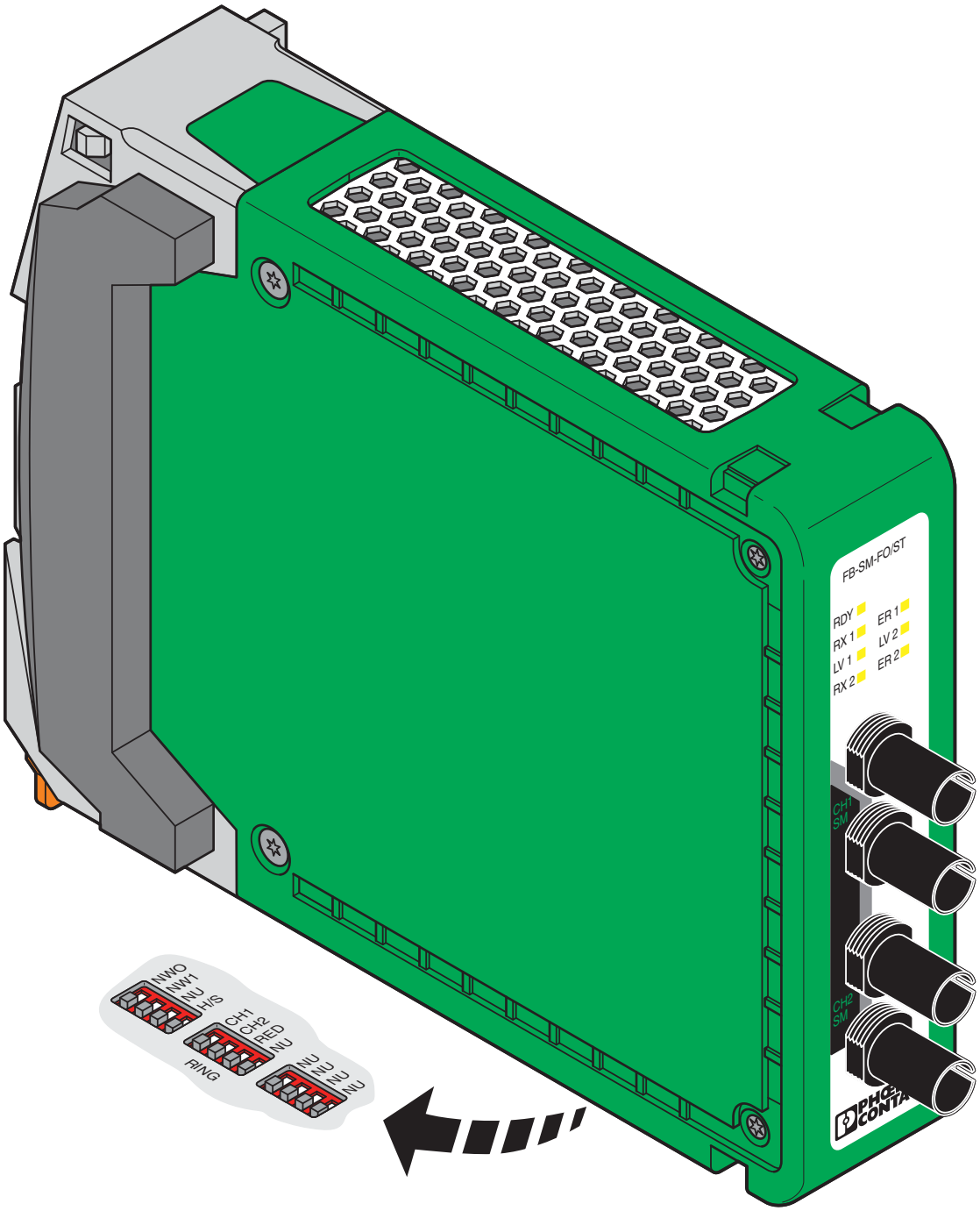
Standards/regulations	IEC 61158-2

Mounting

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

Drawings

Product drawing



Approvals

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

UL Listed
Approval ID: FILE E 238705

cUL Listed
Approval ID: FILE E 238705

cULus Listed

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC001467

UNSPSC

UNSPSC 21.0	43223323

Accessories

FB-HSB-DP/PA - Converter

2316370

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PROFIBUS DP to PROFIBUS PA coupler system for integration and diagnostics of PROFIBUS PA in PROFIBUS DP. Includes the one-network head station unit (FB-HSB), PROFIBUS DP repeater (FB-DP-RPTR), and PROFIBUS PA interface module with oscilloscope functionality.

FB-HSB - Converter

2316379

https://www.phoenixcontact.com/us/products/2316379



Head station for monitoring one PROFIBUS network

FB-HSA - Converter

2316372

https://www.phoenixcontact.com/us/products/2316372



Head station for basic system functionality, no monitoring of PROFIBUS networks

FB-HSC - Converter

2316371

https://www.phoenixcontact.com/us/products/2316371



Head station for monitoring up to four PROFIBUS networks

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