

# FL CB IF - Converter board



2832470

<https://www.phoenixcontact.com/us/products/2832470>

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Converter board for FL IF ... interface module



## Product description

Fitted with combi interface FL IF TX/POF 100-..., the converter board becomes a media converter. For high demands regarding immunity to interference in industrial applications, it is thus possible to use the inexpensive and easy to handle polymer fiber technology. The equally simple to assemble PCF fiber 200/230  $\mu\text{m}$  is another alternative. The optical connection corresponds to the international F-SMA standard. The compact converter module is simply snapped onto conventional EN DIN rails. There is a choice of interfaces with the exit downward or to the front. The module can thus be used for distributed application in junction boxes, or using the convenient front exit, in the control cabinet. Pluggable screw terminal blocks provide the 24 V DC supply.

## Commercial data

Item number	2832470
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN22
Product key	DNN1ZZ
GTIN	4017918960025
Weight per piece (including packing)	148.4 g
Weight per piece (excluding packing)	148.4 g
Customs tariff number	84718000
Country of origin	DE

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## Technical data

### Product properties

Product type	Media converter
Type	Stand-alone

### Electrical properties

Electrical isolation	Logics / Supply / Port 1 / Port 2 / FE
Local diagnostics	LINK Port 1 Link status Port 1 Green LED
	LINK Port 2 Link status Port 2 Green LED
	ACT Port 1 Telegrams received at Port 1 Yellow LED
	ACT Port 2 Link status Port 2 Yellow LED
Test voltage	500 V AC
Transmission medium	Copper
	FO

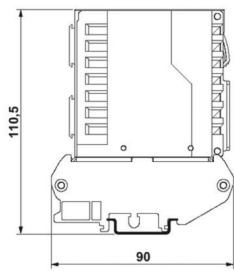
### Supply

Supply voltage	24 V DC
Supply voltage range	18.5 V DC ... 30.2 V DC
Power supply connection	Via COMBICON, max. conductor cross-section 2.5 mm <sup>2</sup>
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Typical current consumption	1.01 A (output current = 1 A)

### Connection data

Connection method	4-pos. COMBICON
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### Dimensions

Dimensional drawing	
Width	67 mm
Height	90 mm
Depth	39 mm

### Material specifications

Color	green
Housing material	PA V0

### Mechanical tests

Shock in accordance with EN 60068-2-27/IEC 60068-2-27	: Operation: 25g, 11 ms duration, semi-sinusoidal shock impulse : Storage/Transport: 50g, 11 ms duration, semi-sinusoidal shock impulse
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	: Operation: 5g, 150 Hz, criterion A
Free fall in accordance with IEC 60068-2-32	: 1 m
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	: Storage/transport: 5g, 150 Hz, criterion C

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C (non-condensing)
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz

## EMC data

Electromagnetic compatibility	Conformance with EMC directive 89/336/EC
Conformance with EMC directives	IEC 61000-6-2 IEC 61000-4-2 (ESD) Criterion B
	IEC 61000-4-3 (immunity to radiated interference) Criterion A
	IEC 61000-4-4 (burst) Criterion A
	IEC 61000-4-5 (surge) Criterion A
	IEC 61000-4-6 (immunity to conducted interference) Criterion A
	IEC 61000-4-8 (immunity to magnetic fields) Criterion A
	EN 55022 (emitted interference) Criterion A

## Standards and regulations

Free from substances that could impair the application of coating	In acc. with VW specification
Electrical isolation	Logics / Supply / Port 1 / Port 2 / FE

## Mounting

Mounting type	DIN rail mounting
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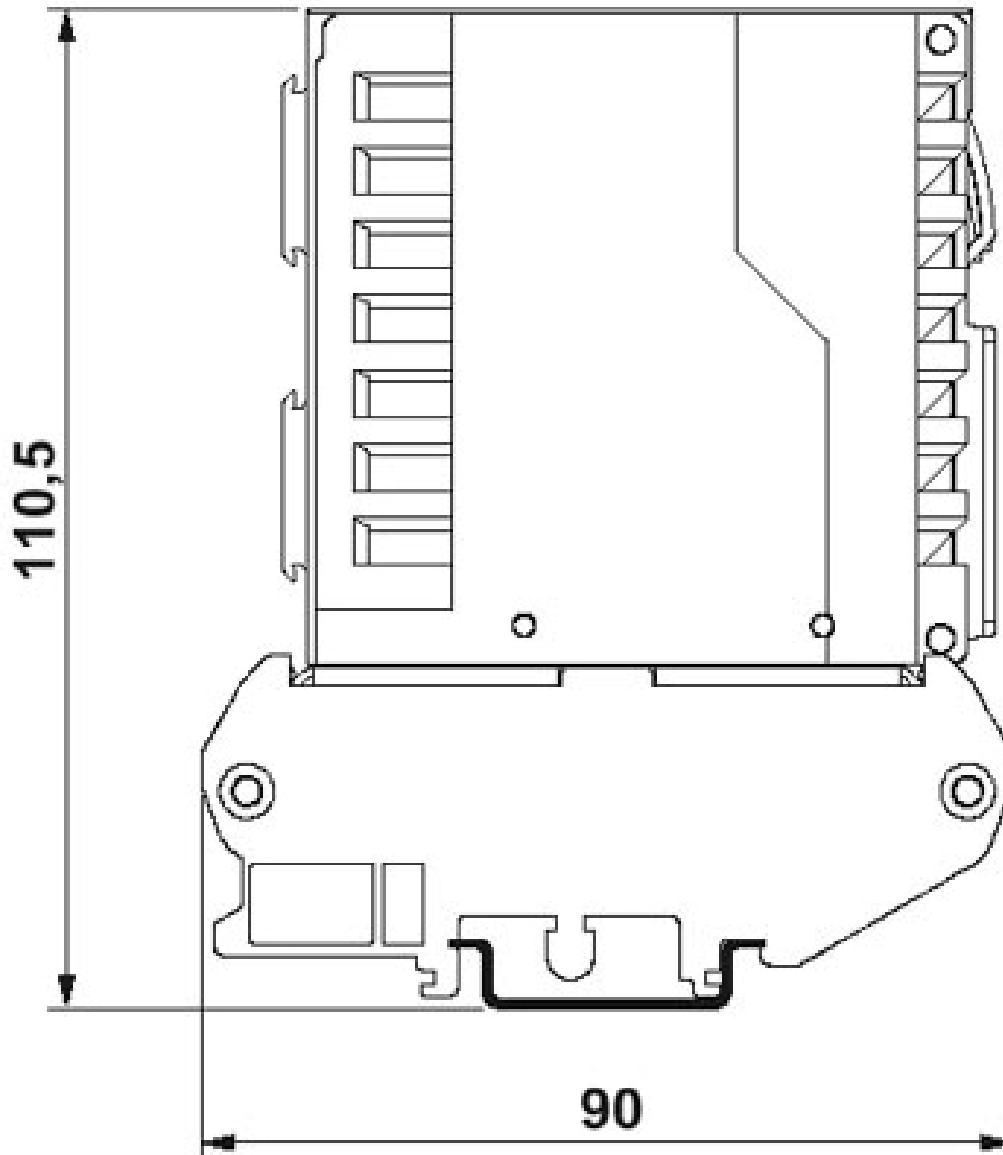
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## Drawings

Dimensional drawing



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## Environmental product compliance

EU REACH SVHC

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