

# FL IF 2HCS 100-D - Media module

2832742

<https://www.phoenixcontact.com/us/products/2832742>

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Interface module, 2 ports, 100 Mbps, full duplex, for the Modular Managed Switch System, exit downward

## Product description

Fitted with combi interface FL IF TX/POF 100-..., the converter board becomes a media converter. For the highest noise immunity requirements in industrial applications, cost-effective and easy to operate polymer fiber technology can be used. The optical connection conforms to the international F-SMA standard. The compact converter module is easily snapped onto standard EN DIN rails. Interfaces for exits at the bottom or at the front are available. The module can thus be used for distributed application used in junction boxes, or using the convenient front exit, in control cabinet. The

Pluggable screw terminal blocks provide the 24 V DC supply.

## Commercial data

Item number	2832742
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN17
Product key	DNN123
GTIN	4017918974503
Weight per piece (including packing)	93.9 g
Weight per piece (excluding packing)	80 g
Customs tariff number	84718000
Country of origin	DE

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## Technical data

### Product properties

Product type	Extension module
Type	fine granularity

### System properties

#### Functionality

Basic functions	Media module for modular managed switch
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### Electrical properties

Transmission medium	FO
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#### Supply

Supply voltage	via head station
Power supply connection	from FL SWITCH MM HS or MXT
Typical current consumption	100 mA

#### Brake to be connected

Connection method	Can be plugged onto FL SWITCH MM HS or FL MXT
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### Connection data

Connection method	Can be plugged onto FL SWITCH MM HS or FL MXT
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### Interfaces

#### Ethernet

Connection method	FSMA plugs
Transmission speed	100 Mbps (connection direction downwards)
Transmission physics	Ethernet in RJ45 twisted pair
Transmission length	100 m (PCF fiber with F-S 200/230 10 dB/km)
No. of channels	2

#### Fiber optic interface

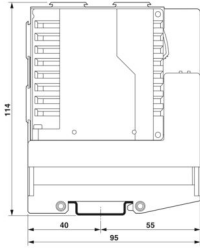
Connection method	F-SMA connector
Transmission speed	100 Mbps
Transmission length	100 m (PCF fiber with F-S 200/230 10 dB/km)
Wavelength	650 nm
No. of channels	2

### Dimensions

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Dimensional drawing	
Width	31 mm
Height	75.7 mm
Depth	72.5 mm

## Material specifications

Color	green
Flammability rating according to UL 94	V0
Housing material	PA

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C (non-condensing)
Ambient temperature (storage/transport)	-20 °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
Noise immunity	EN 61000-6-2:2005

### Noise emission

Standards/regulations	EN 61000-6-3/-4
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## Mounting

Mounting type	In the host system
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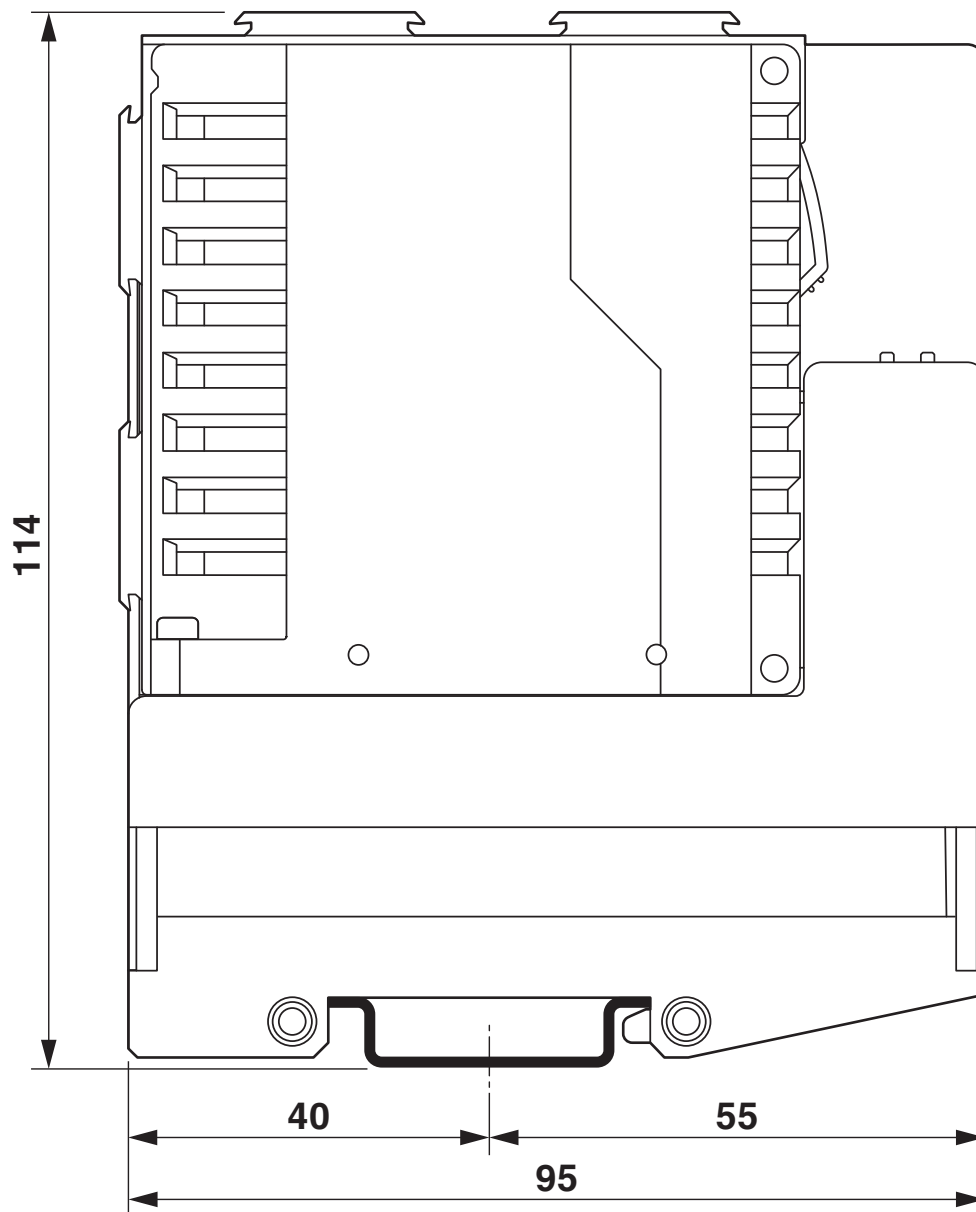


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## Drawings

Dimensional drawing



The figure shows a version of the interface module with the head station FL SWITCH MM HS

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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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)