

# FL IF 2PSE-F - Media module



2832904

<https://www.phoenixcontact.com/us/products/2832904>

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Interface module for connecting PoE twisted pair ports, RJ45, connection direction forward



## Your advantages

- IEEE 802.3af
- Suitable for GHS system

## Commercial data

Item number	2832904
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN18
Product key	DNN142
GTIN	4046356076050
Weight per piece (including packing)	105.6 g
Weight per piece (excluding packing)	70 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Notes

#### Note on application

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

Product type	Extension module
Type	Block design

### System properties

#### Functionality

Basic functions	Media module for Modular Managed Switch with Power over Ethernet IEEE802.3af, Power Source Equipment (PSE)
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### Electrical properties

Maximum power dissipation for nominal condition	21.6 W
Test voltage	500 V AC
Transmission medium	Copper

#### Supply

Supply voltage	48 V DC (Internal / 48 V DC for PoE)
Supply voltage range	45.5 V DC ... 53 V DC
Power supply connection	from FL SWITCH GHS or FXT
Typical current consumption	10 mA (max. 900 mA)

#### Brake to be connected

Connection method	Can be plugged onto FL SWITCH MM HS or FL MXT
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#### Supply: Module electronics

Connection method	COMBICON
Supply voltage	48 V DC (via COMBICON; max. conductor cross-section 2.5 mm <sup>2</sup> )
Supply voltage range	44 V DC ... 53 V DC
Current consumption	max. 850 mA

### Connection data

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

#### Ethernet

Connection method	RJ45
Transmission speed	10/100 Mbps (connection direction forwards)
Transmission physics	Ethernet in RJ45 twisted pair

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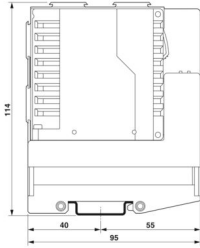


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Transmission length	100 m (per segment)
No. of channels	2 (PoE ports)
Transmission speed	10/100 Mbps (connection direction forwards)
Transmission length	100 m (per segment)
No. of channels	2

## Dimensions

Dimensional drawing	
Width	31 mm
Height	84.7 mm
Depth	75.5 mm

## Material specifications

Color	green
Flammability rating according to UL 94	V0
Housing material	PA 6.6

## 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/Storage/Transport: 5g, 150 Hz, Criterion 3
Free fall in accordance with IEC 60068-2-32	: 1 m

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °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 2004/108/EC IEC 61000-6-2 IEC 61000-4-2 (ESD) Criterion B
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Conformance with EMC directives	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
Noise immunity	EN 61000-6-2:2005

## Noise emission

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

Free from substances that could impair the application of coating	In acc. with VW specification
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## Mounting

Mounting type	In the host system
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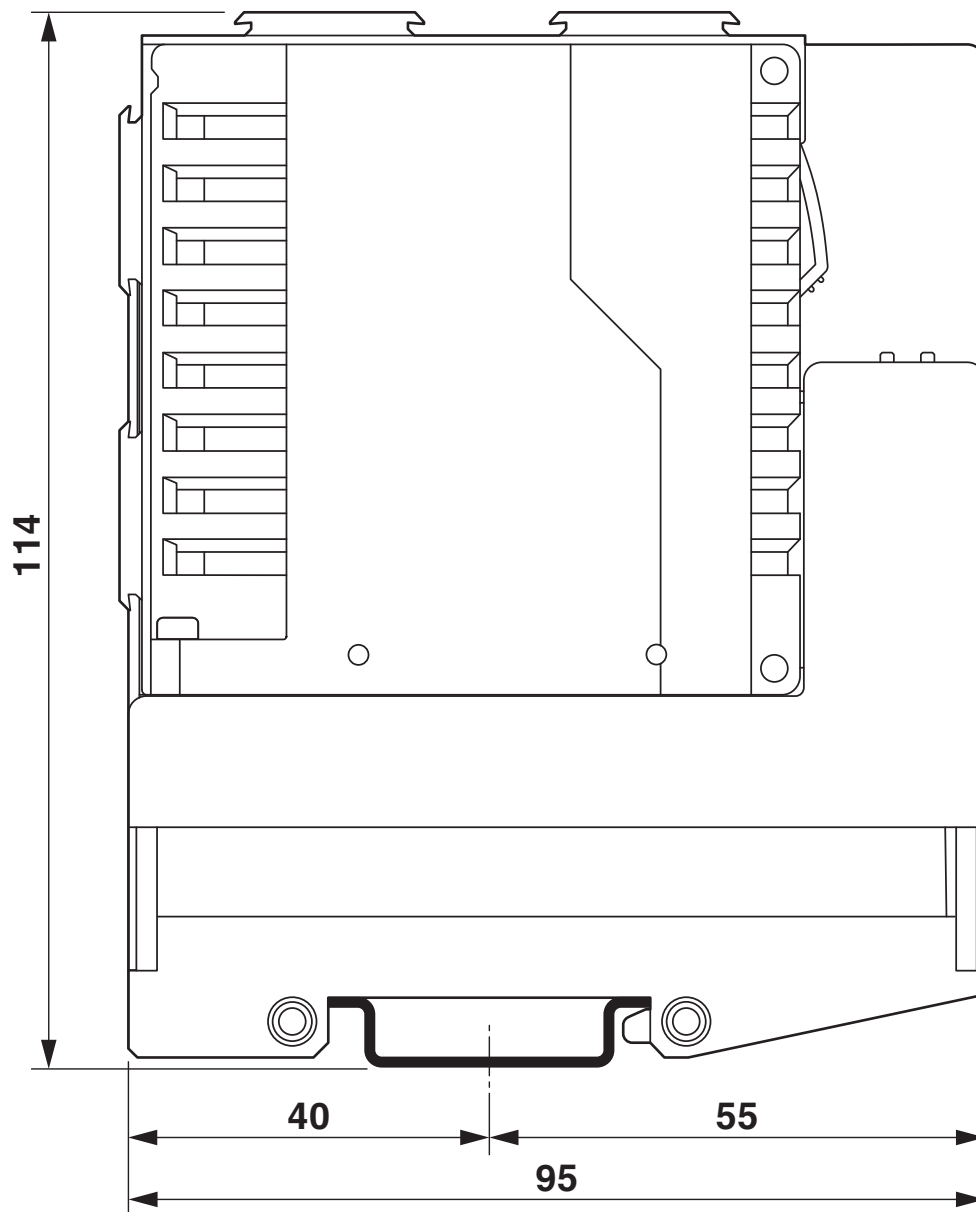
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## Drawings

Dimensional drawing



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

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## Classifications

### ECLASS

ECLASS-13.0

19170411

### ETIM

ETIM 9.0

EC001467

### UNSPSC

UNSPSC 21.0

43201500

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	3f889273-36e8-4247-bf25-b8478e5ee19b

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