

# FL IF 2PSE-F - Media module



2832904

<https://www.phoenixcontact.com/gb/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	DNN142
Product key	DNN142
Catalog page	Page 330 (C-6-2019)
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

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## Technical data

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### Product properties

Type	Block design
Product type	Extension module

### 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

### Interfaces

#### Ethernet

Connection method	RJ45
Transmission speed	10/100 Mbps (connection direction forwards)
Transmission physics	Ethernet in RJ45 twisted pair
Transmission length	100 m (per segment)
No. of channels	2 (PoE ports)

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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

## 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

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
Noise immunity	EN 61000-6-2:2005
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 61000-6-3/-4

## Standards and regulations

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

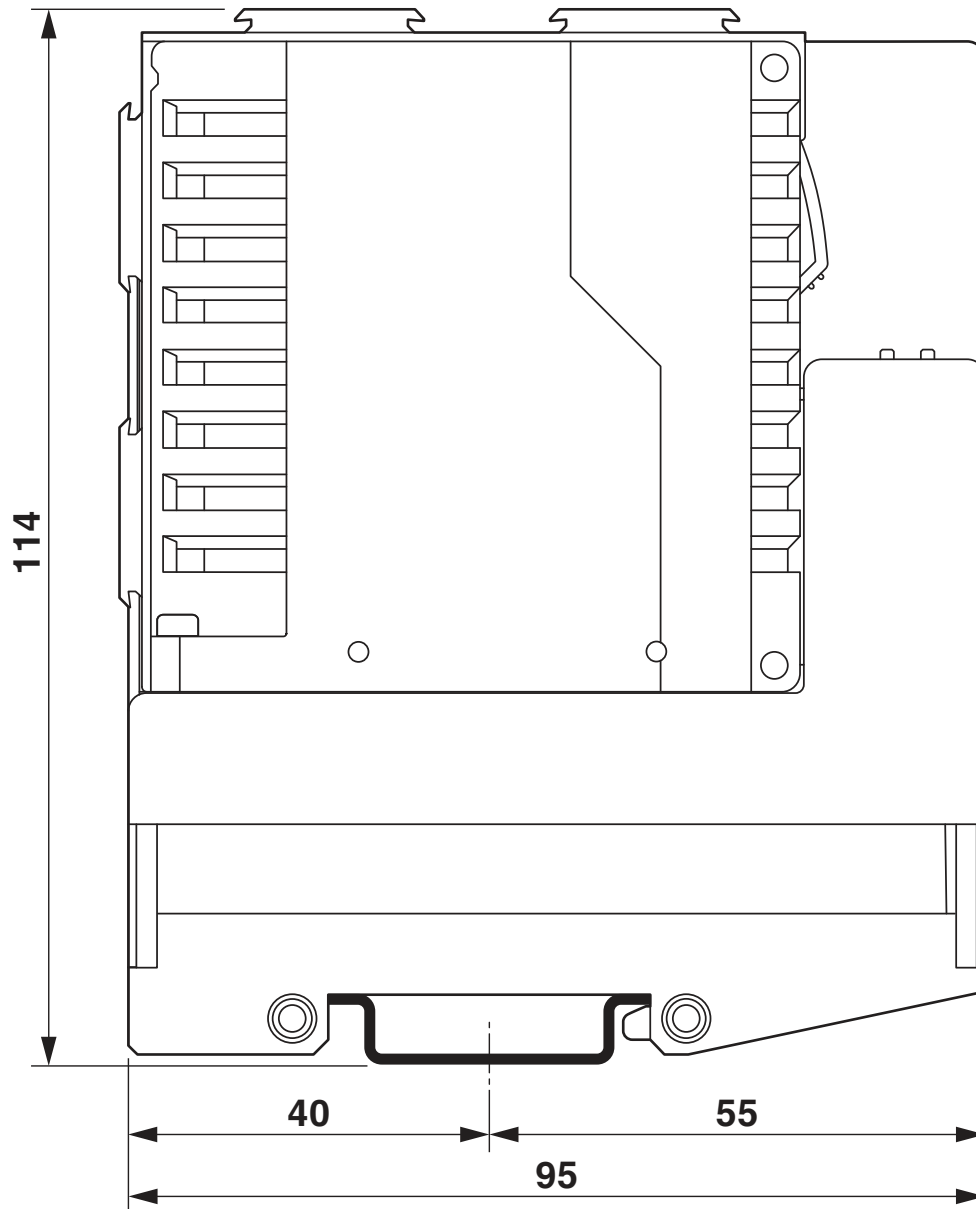
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## Drawings

Dimensional drawing



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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/2832904>



**cUL Recognized**  
Approval ID: FILE E 140324



**UL Recognized**  
Approval ID: FILE E 140324



**cUL Listed**  
Approval ID: FILE E 199827



**UL Listed**  
Approval ID: FILE E 199827

**cULus Recognized**

**cULus Listed**

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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC001467
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### UNSPSC

UNSPSC 21.0	43201500
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"



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## Accessories

### FL PLUG RJ45 GR/2 - RJ45 connector

2744856

<https://www.phoenixcontact.com/gb/products/2744856>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: Crimp connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green, Ethernet

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### FL PLUG RJ45 GN/2 - RJ45 connector

2744571

<https://www.phoenixcontact.com/gb/products/2744571>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: Crimp connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green, Ethernet

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## FL CAT5 HEAVY - Data cable

2744814

<https://www.phoenixcontact.com/gb/products/2744814>



CAT5-SF/UTP cable (J-02YS(ST)C HP 2 x 2 x 24 AWG), heavy-duty installation cable, 2 x 2 x 0.22 mm<sup>2</sup>, solid conductor, shielded, outer sheath: 7.8 mm diameter, inner sheath: 5.75 mm ± 0.15 mm diameter

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## FL CAT5 FLEX - Installation cable

2744830

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By the meter, Installation cable, Ethernet CAT5 (100 Mbps), shielded, PUR halogen-free, water blue RAL 5021, 4-wire (2x2xAWG26/7, SF/UTP), color single wire: white/orange-orange, white/green-green, cable length: Free entry (1.0 ... 1000.0 m)

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## FL CRIMPTOOL - Assembly tool

2744869

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Crimping pliers, for assembling the RJ45 plugs FL PLUG RJ45..., for assembly on site



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## VS-08-T-G-RJ45/IP20 - RJ45 sleeve housings

1652295

<https://www.phoenixcontact.com/gb/products/1652295>



RJ45 sleeve housing, IP20, for pin insert VS-08-ST-RJ45, with push-pull interlocking for panel mounting frames, inverted design, for Factoryline modular managed switches, for cable cross section 5.0 mm ... 6.5 mm

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## STEP-PS/ 1AC/48DC/2 - Power supply unit

2868680

<https://www.phoenixcontact.com/gb/products/2868680>



Primary-switched power supply, STEP POWER, screw connection, DIN rail mounting, input: 1-phase, output: 48 V DC / 2 A, adjustable from 30 V DC ... 56 V DC, PoE application up to 96 W

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## TRIO-PS/1AC/48DC/ 5 - Power supply unit

2866491

<https://www.phoenixcontact.com/gb/products/2866491>



Primary-switched TRIO POWER power supply for DIN rail mounting, input: 1-phase, output: 48 V DC/5 A

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## QUINT-PS/1AC/48DC/ 5 - Power supply unit

2866679

<https://www.phoenixcontact.com/gb/products/2866679>



Primary-switched power supply unit QUINT POWER, Pluggable screw connection, DIN rail mounting, SFB Technology (Selective Fuse Breaking), input: 1-phase, output: 48 V DC / 5 A

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## ZBF 29:UNBEDRUCKT - Zack Marker strip, flat

0829003

<https://www.phoenixcontact.com/gb/products/0829003>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 29 mm, lettering field size: 29 x 6.4 mm, Number of individual labels: 30

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