# 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 |

### Product properties

| | |
|---|---|
| Product type | Extension module |
| Type | Block design |

### 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) |
| Ground connection | via head station |

Brake to be connected

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

Supply: Module electronics

| | |
|---|---|
| Connection method | COMBICON |
| Supply voltage | 48 V DC (via COMBICON; max. conductor cross-section 2.5 mm²) |
| 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 |

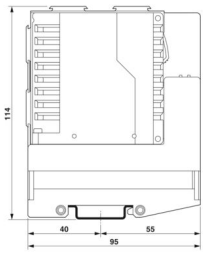
### Interfaces

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) |
| 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 (Housing) | green (RAL 6021) |
| 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 |
| 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 |

Noise emission

| | |
|---|---|
| Standards/regulations | EN 61000-6-3/-4 |

## Standards and regulations

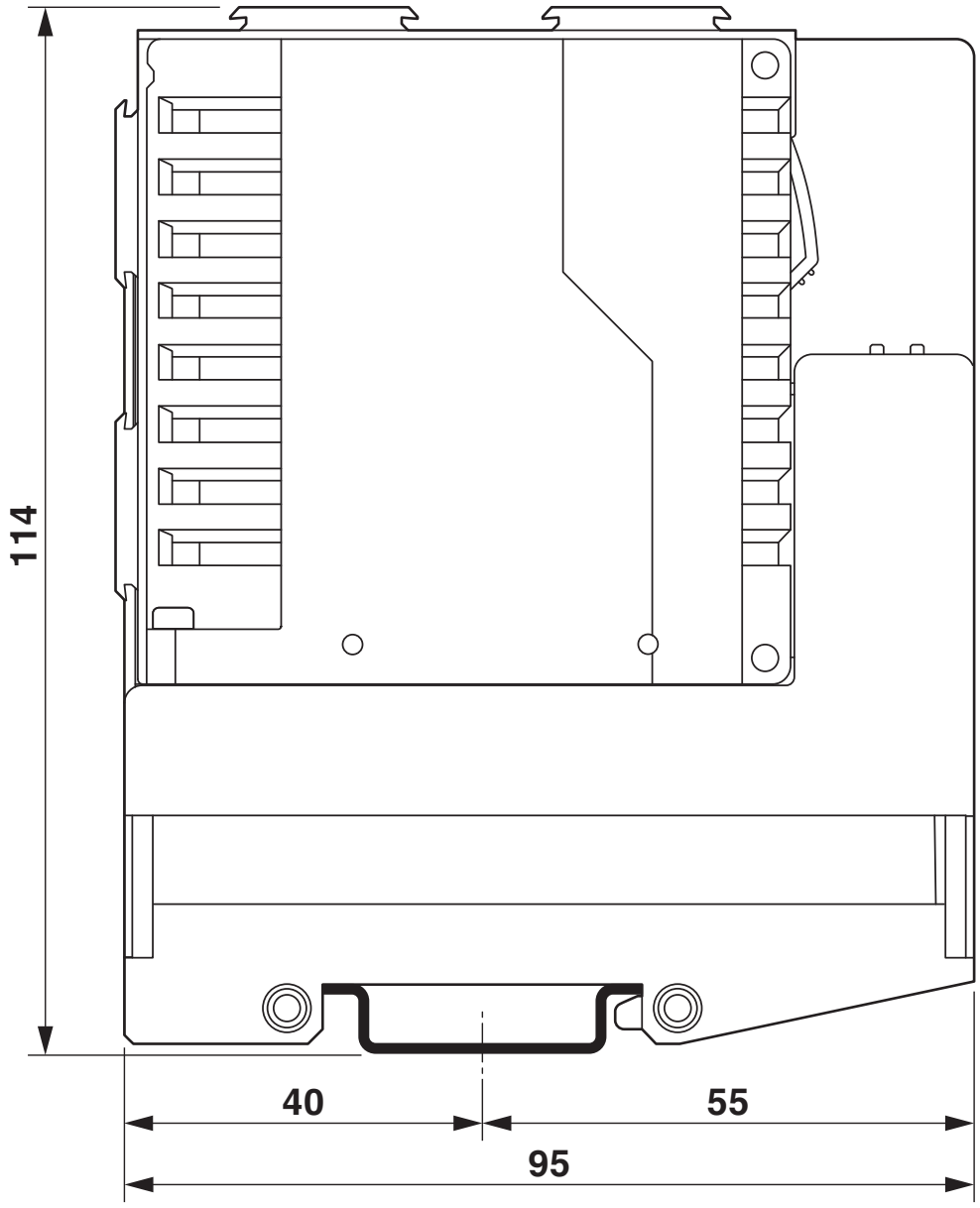
| | |
|---|---|
| Free from substances that could impair the application of coating | In acc. with VW specification |

## Mounting

| | |
|---|---|
| Mounting type | In the host system |

## Drawings

Dimensional drawing




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

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 19170411 |

### ETIM

| | |
|---|---|
| ETIM 9.0 | EC001467 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 43201500 |

## 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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