

FL IF 2PSE-F - Media module



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
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

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 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
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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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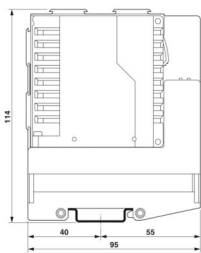


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Transmission length	100 m (per segment)
No. of channels	2 (PoE ports)
Transmission speed	10/100 Mbps (connection direction forwards)
Transmission length	100 m (per segment)
No. of channels	2

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

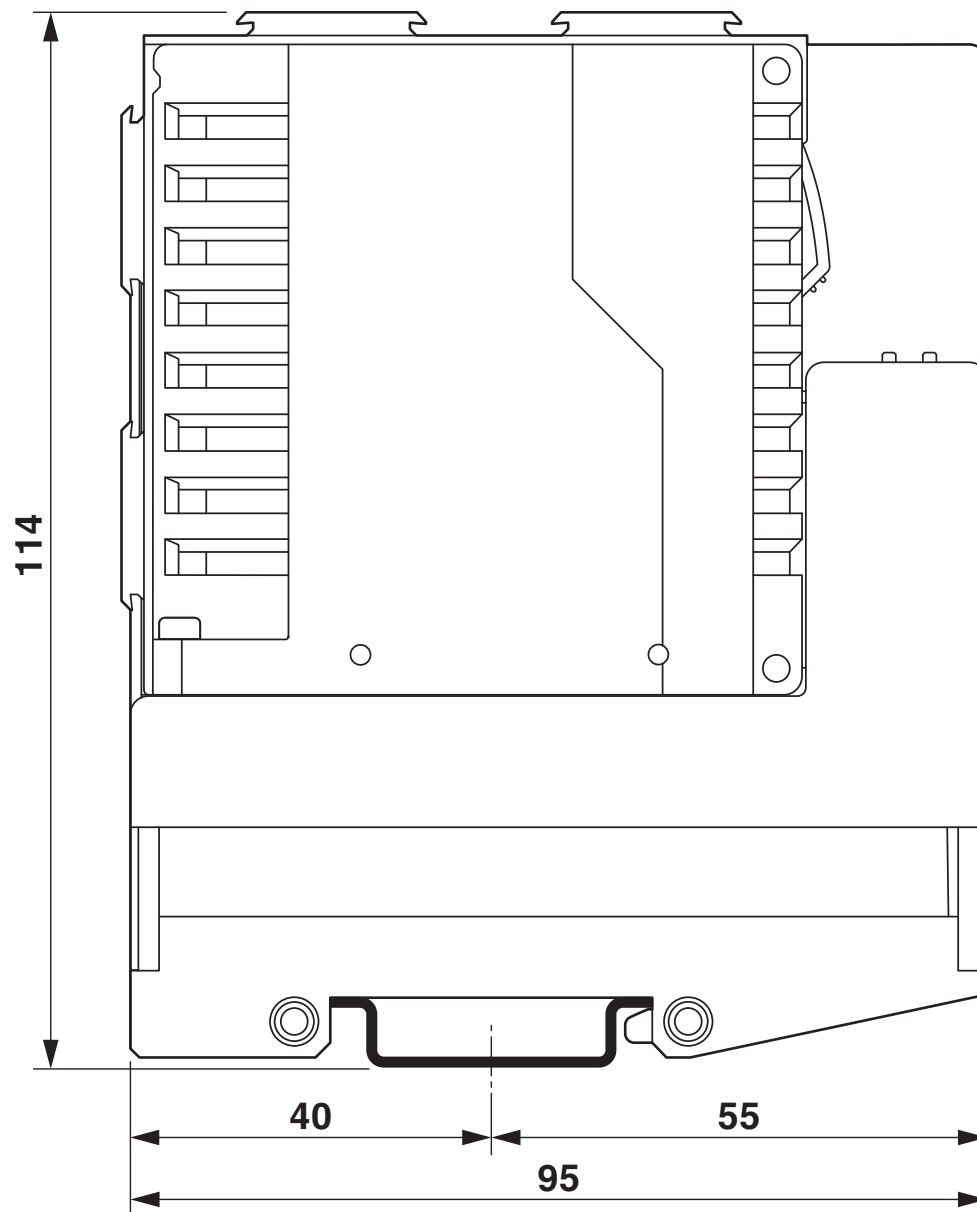
Free from substances that could impair the application of coating	In acc. with VW specification
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Mounting

Mounting type	In the host system
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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

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cUL Recognized
Approval ID: E140324



UL Recognized
Approval ID: E140324



cUL Listed
Approval ID: E199827



UL Listed
Approval ID: E199827

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Classifications

ECLASS

ECLASS-13.0	19170411
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ETIM

ETIM 9.0	EC001467
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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