

EM-PNET-GATEWAY-IFS - Data interface



2904472

<https://www.phoenixcontact.com/au/products/2904472>

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Gateway for the connection of up to 32 Interface system devices to a higher-level controller via PROFINET. The Interface system devices are connected to the gateway via DIN rail connectors. The DIN rail connectors are provided.

Commercial data

Item number	2904472
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DK7711
Product key	DK7711
Catalog page	Page 20 (C-5-2019)
GTIN	4046356826471
Weight per piece (including packing)	168.56 g
Weight per piece (excluding packing)	146.61 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Product properties

Product type	Gateways/Proxies
Operating mode	100% operating factor

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Electrical properties

Supply

Rated control circuit supply voltage U_S	24 V DC -20 % ... +25 %
Rated control supply current I_S	85 mA (plus load current of the outputs)
Protective circuit	Reverse polarity protection
	Surge protection

Input data

Digital

Number	8
Rated actuating voltage U_C	24 V DC ± 20 %
Rated actuating current I_C	3 mA
Protective circuit	Reverse polarity protection
	Surge protection

Output data

Digital: Switching outputs

Number	4
Rated output voltage U_{SO}	24 V DC
Residual voltage	1 V
Maximum switching voltage	23 V DC ($U_B - U_{resid.}$ of the output)
Max. switching current	500 mA (per output)
Protective circuit	Parallel protection against polarity reversal, pay attention to the fuse (Fusing with max. 8 A F-fuse)

Connection data

Supply

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm ² ... 2 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²

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Conductor cross section AWG	24 ... 12
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Programming connection

Connection method	S-PORT (socket)
Number of connections	1
Number of positions	12

INTERFACE system

Connection method	DIN rail bus connector
Number of connections	1
Number of positions	5

PROFINET

Connection method	RJ45
Number of connections	2

Interfaces

Data: Network interface

Communication protocol	PROFINET
Connection method	RJ45 jack
Number of connections	2
Transmission speed	10 Mbps
	100 Mbps

Data: Service interface

Communication protocol	Interface-System
Connection method	S-PORT (socket)
Number of connections	1
Number of positions	12

Data: Device bus

Communication protocol	Interface-System
Connection method	DIN rail bus connector
Number of connections	1
Number of positions	5
Transmission speed	76.8 kbps

Dimensions

Width	22.5 mm
Height	107.8 mm
Depth	113.8 mm

Material specifications

Color	gray (RAL 7042)
Housing material	Polyamide PA non-reinforced

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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-35 °C ... 50 °C
Ambient temperature (storage/transport)	-35 °C ... 80 °C

Approvals

UKCA

Certificate	UKCA-compliant
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Standards and regulations

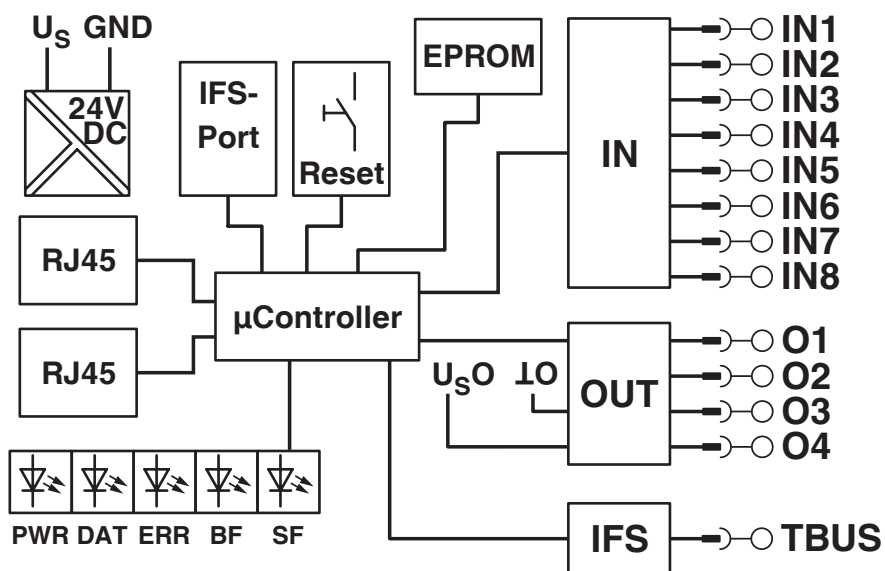
Standards/regulations	EN 61131-2
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Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

Drawings

Block diagram




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Approvals


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EAC
Approval ID: RU C-DE.A*30.B.01082



UL Listed
Approval ID: E140324



cUL Listed
Approval ID: E140324

PROFINET
Approval ID: Z12110

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Classifications

ECLASS

ECLASS-13.0	27242608
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ETIM

ETIM 9.0	EC001604
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UNSPSC

UNSPSC 21.0	32151600
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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	f0b90d33-acc6-4fc1-b3ff-12aad15063cc

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