EM-ETH-GATEWAY-IFS - Data interface

2901988

https://www.phoenixcontact.com/au/products/2901988

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

Commercial data

Item number	2901988
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DK7712
Product key	DK7712
Catalog page	Page 20 (C-5-2019)
GTIN	4046356641937
Weight per piece (including packing)	165.69 g
Weight per piece (excluding packing)	194.2 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Notes

Utilization restriction

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

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
Residual voltage	1 V
Maximum switching voltage	23 V DC (U_B - $U_{resid.}$ of the output)
Max. switching current	500 mA
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 mm² ... 2 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12

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

Ethernet/IP™	
Connection method	RJ45
Number of connections	1

Interfaces

Data: Network interface	
Communication protocol	EtherNet/IP™
Connection method	RJ45 jack
Number of connections	1
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

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Material specifications

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

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 50 °C
Ambient temperature (storage/transport)	-35 °C ... 80 °C

Approvals

UKCA

Certificate	UKCA-compliant

Standards and regulations

Standards/regulations	EN 50178

Mounting

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

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Drawings

Block diagram

2901988

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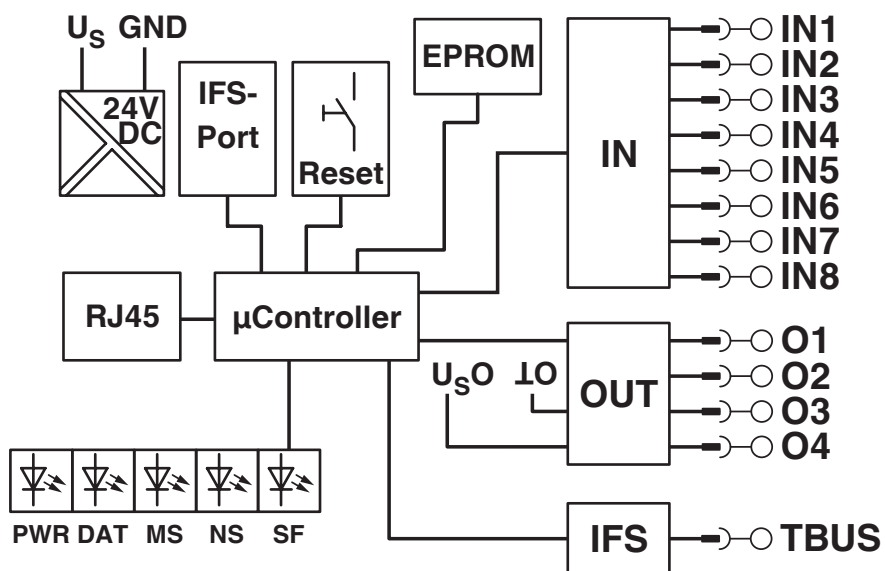
Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/au/products/2901988

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

UL Listed
Approval ID: E140324

cUL Listed
Approval ID: E140324

EAC
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Classifications

ECLASS

ECLASS-13.0	27242608

ETIM

ETIM 9.0	EC001604

UNSPSC

UNSPSC 21.0	32151600

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	43e371fd-458f-417c-a5f0-1e6c94c90ec8