

EM-DNET-GATEWAY-IFS - Data interface

2901529

<https://www.phoenixcontact.com/us/products/2901529>



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Gateway for the connection of up to 32 INTERFACE system devices to a higher-level controller via DeviceNet™. The INTERFACE system devices are connected to the Gateway via DIN rail connectors, the DIN rail connectors are provided.

Commercial data

Item number	2901529
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C477
Product key	DK7723
GTIN	4046356607094
Weight per piece (including packing)	203.3 g
Weight per piece (excluding packing)	203.3 g
Customs tariff number	85389091
Country of origin	DE

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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 $\pm 20 \%$
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 ($U_B - U_{\text{resid.}}$ 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 mm ² ... 2 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
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

DeviceNet™

Connection method	Screw connection
Number of connections	1
Number of positions	5

Interfaces

Data: Network interface

Communication protocol	DeviceNet™
Connection method	Screw connection
Number of connections	1
Number of positions	5

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	112.7 mm
Depth	113.8 mm

Material specifications

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

Environmental and real-life conditions

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Ambient conditions

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

Standards and regulations

Standards/regulations	EN 50178
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Mounting

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

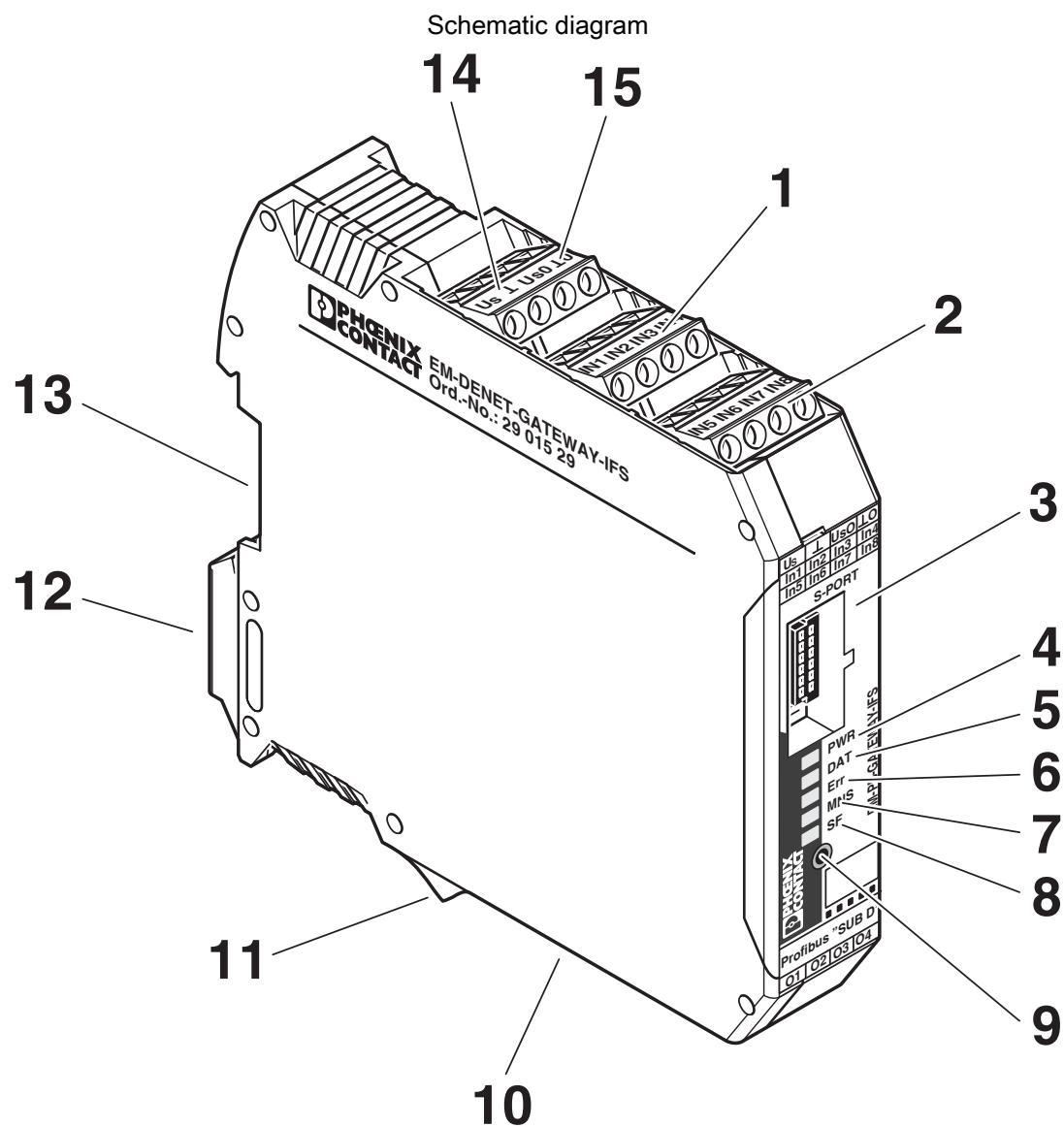
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Drawings



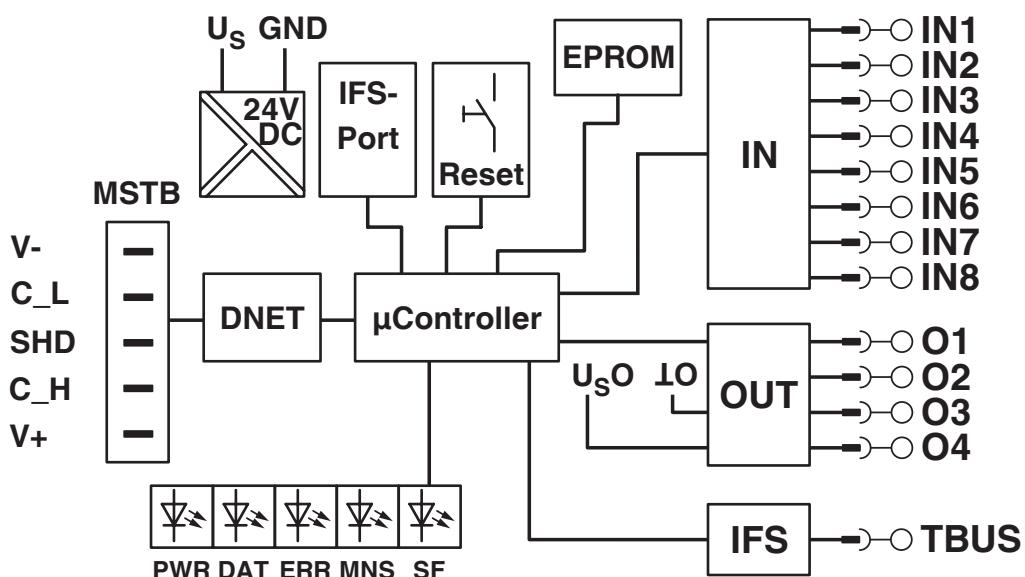
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Block diagram



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