

Data interface - EM-DNET-GATEWAY-IFS - 2901529



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.

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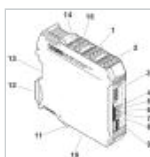
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Drawings



Block diagram



Schematic diagram

Note

Utilization restriction

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

Device 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

Digital inputs

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

Digital outputs

Designation	Switching outputs
Number	4
Note on protection circuit	Fusing with max. 8 A F-fuse
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

Connection data supply

Connection name	Supply
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 2 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	12 ... 24

Connection data programming connection

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

Connection data INTERFACE system

Connection name	INTERFACE system
Connection method	DIN rail bus connectors
Number of connections	1
Number of positions	5

Connection data BUS connection

Connection name	DeviceNet™
Connection method	Screw connection
Number of connections	1

Number of positions	5
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General

Operating mode	100% operating factor
Degree of protection	IP20
Standards/regulations	EN 50178
Degree of pollution	2
Overvoltage category	III
Mounting position	any
Assembly instructions	In rows with zero spacing
Mounting type	DIN rail mounting
Housing material	Polyamide PA non-reinforced
Color	green

Serial interface

Interface 1	IFS interface
Serial transmission speed	76.8 kbps
Connection method	DIN rail bus connectors
Interface 2	DeviceNet™
Serial transmission speed	125; 250; 500 kbaud
Connection method	MSTB plug entry

Ambient conditions

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

Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

Standards and Regulations

Standards/regulations	EN 50178
Degree of pollution	2
Overvoltage category	III

Classifications

eCl@ss

eCl@ss 4.0	27371190
eCl@ss 4.1	27371190
eCl@ss 5.0	27371692
eCl@ss 5.1	27371692

eCI@ss 6.0	27371001
eCI@ss 7.0	27371001
eCI@ss 8.0	27242608
eCI@ss 9.0	27242608

ETIM

ETIM 3.0	EC000066
ETIM 4.0	EC001478
ETIM 5.0	EC001604

UNSPSC

UNSPSC 6.01	30211915
UNSPSC 7.0901	39121514
UNSPSC 11	39121514
UNSPSC 12.01	39121514
UNSPSC 13.2	39121514

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