

## Data interface - EM-MODBUS-GATEWAY-IFS - 2901528

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

### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	200.0 g
Custom tariff number	85389091
Country of origin	Germany

### Technical data

#### Note

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

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### Technical data

#### Digital outputs

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 <sup>2</sup> ... 2 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
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	Modbus TCP
Connection method	RJ45
Number of connections	1

#### 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

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## Technical data

### General

Color	green
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### Serial interface

Interface 1	IFS interface
Serial transmission speed	76.8 kbps
Connection method	DIN rail bus connectors
Interface 2	Modbus/TCP
Serial transmission speed	10/100 Mbps
Connection method	RJ45 socket

### Ambient conditions

Ambient temperature (operation)	-35 °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
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27242608

#### ETIM

ETIM 3.0	EC000066
ETIM 4.0	EC001478
ETIM 5.0	EC001604

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## Classifications

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

UL Listed / cUL Listed / cULus Listed

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#### Ex Approvals


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#### Approvals submitted

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### Approval details

UL Listed 

cUL Listed 

cULus Listed 