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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Data interface - EM-DNET-GATEWAY-IFS - 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.



### 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

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### Technical data

#### Digital outputs

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

#### General

Operating mode	100% operating factor
Degree of protection	IP20
Standards/regulations	EN 50178
Degree of pollution	2
Overvoltage category	III
Mounting position	any

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## Technical data

### General

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
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27242608

### ETIM

ETIM 3.0	EC000066
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## Classifications

### ETIM

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

## 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

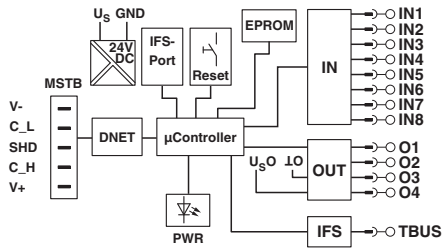
cUL Listed

cULus Listed

## Drawings

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Block diagram



Schematic diagram

