EM-PB-GATEWAY-IFS - Data interface

2297620

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

Your advantages

- 8 digital inputs and 4 outputs can be freely parameterized
- Certified according to DPV1 specification (EN 50170)
- Failsafe mode supported
- Digital switching outputs for direct control of the EMM...IFS (forward/reverse running)
- Communication via TBUS with up to 31 EMM...IFS modules

Commercial data

Item number	2297620
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C477
Product key	CK7721
Catalog page	Page 20 (C-5-2019)
GTIN	4046356319652
Weight per piece (including packing)	221 g
Weight per piece (excluding packing)	149.61 g
Customs tariff number	85176200
Country of origin	DE

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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 connectors
Number of connections	1
Number of positions	5

PROFIBUS DP

Connection method	D-SUB
Number of connections	1
Number of positions	9

Interfaces

Data: Interface-System

Data rate	76800 Baud
Serial transmission speed	76.8 kbps
Connection method	DIN rail bus connectors

Data: PROFIBUS DP

Serial transmission speed	12 Mbps
Connection method	D-SUB-9

Data: Network interface

Communication protocol	PROFIBUS DP
Connection method	D-SUB socket strip
Number of connections	1
Number of positions	9
Transmission speed	12 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 connectors

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

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)	-35 °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 instructions	in rows with zero spacing
Mounting position	any

Classifications

ECLASS

ECLASS-11.0	27242608
ECLASS-12.0	27242608
ECLASS-13.0	27242608

ETIM

ETIM 9.0	EC001604

UNSPSC

UNSPSC 21.0	32151600

Environmental product compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com