GW PN/DP 1E/1DB9 - Interface converters

1108712

https://www.phoenixcontact.com/us/products/1108712

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PROFINET to PROFIBUS DP gateway. Functions as a PROFIBUS DP controller on the PROFIBUS network and a PROFINET IO device on the PROFINET network. Compatible with FDT/DTM container for simple configuration of PROFIBUS DP devices.

Commercial data

Item number	1108712
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN09
Product key	DNC323
GTIN	4063151016227
Weight per piece (including packing)	175.5 g
Weight per piece (excluding packing)	120 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Notes

Note on application

Note on application	Only for industrial use

Utilization restriction

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

Product properties

Product type	Interface converter

Electrical properties

Supply

Supply voltage range	10.8 V DC ... 30 V DC (via pluggable COMBICON screw terminal block)
Typical current consumption	71 mA (24 V DC)
Max. current consumption	200 mA (10.8 V DC)

Function

Management	Web-based management
Status and diagnostic indicators	LEDs: ST, PB, BF, SF, ACT/LNK (Ethernet data traffic)

Connection data

Supply

Conductor cross-section, flexible	0.20 mm² ... 2.50 mm²
Conductor cross-section AWG	24 ... 12
Tightening torque	0.5 Nm ... 0.6 Nm

Interfaces

Signal	PROFINET
	PROFIBUS

Data: PROFINET

Serial transmission speed	10/100 Mbps, auto negotiation
Connection method	RJ45 jack, shielded
No. of channels	1
Transmission length	≤ 100 m (shielded twisted pair)
Protocols supported	PROFINET, PROFIBUS DP
Auxiliary protocols	ARP, DHCP (Client), PING, DCP

Data: PROFIBUS DP

Serial transmission speed	9.6 kbps ... 12 Mbps
Number of connections	1

Connection method	D-SUB 9 plug

Dimensions

Width	22.5 mm
Height	99 mm
Depth	115 mm

Material specifications

Color	gray
Housing material	PA 6.6

Mechanical tests

Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	:
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	:

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	< 2000 m
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)

Approvals

Conformity/Approvals

Conformance	CE-compliant

Mounting

Mounting type	DIN rail mounting

Classifications

ECLASS

ECLASS-13.0	27242208
ECLASS-15.0	27242208

ETIM

ETIM 9.0	EC001423

UNSPSC

UNSPSC 21.0	43222600

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%