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

Data management status

Article revision	04

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

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1108712

PROFINET
Approval ID: Z12958

Classifications

ECLASS

ECLASS-11.0	27242208
ECLASS-12.0	27242208
ECLASS-13.0	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%

Accessories

SUBCON-PLUS-PROFIB/90/PG/SC - D-SUB bus connector

2313708

https://www.phoenixcontact.com/us/products/2313708

D-SUB connector, 9-pos., pin, 90° cable outlet, bus system: PROFIBUS DP up to 12 Mbps with PG D-SUB socket for connecting a programming device, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks

SUBCON-PLUS-PROFIB/AX/SC - D-SUB bus connector

2744380

https://www.phoenixcontact.com/us/products/2744380

D-SUB connector, 9-pos., male connector, axial version with two cable entries, bus system: PROFIBUS DP up to 12 Mbps, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks

FL CAT5 PATCH 0,5 - Patch cable

2832263

https://www.phoenixcontact.com/us/products/2832263

Patch cable, CAT5, assembled, 0.5 m

FL CAT5 PATCH 5,0 - Patch cable

2832580

https://www.phoenixcontact.com/us/products/2832580

Patch cable, CAT5, assembled, 5 m

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FL SWITCH SFN 5TX - Industrial Ethernet Switch

2891152

https://www.phoenixcontact.com/us/products/2891152

Ethernet switch, 5 TP RJ45 ports, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocrossing function

DT-LAN-CAT.6+ - Surge protection device

2881007

https://www.phoenixcontact.com/us/products/2881007

Surge protection in accordance with Class E_A (CAT6_A), for Gigabit Ethernet (up to 10 Gbps), token ring, FDDI/CDDI, ISDN, and DS1. Suitable for Power over Ethernet (PoE++ / 4PPoE) "Mode A" and "Mode B". RJ45 attachment plug with separate grounding cable and ground connection snap-on foot for NS 35 DIN rails.

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PSM-ME-RS485/RS485-P - Repeater

2744429

https://www.phoenixcontact.com/us/products/2744429

Repeater, for potential separation and range increase in RS-485 2-wire bus systems, 3-way isolation, rail-mountable

TTC-6P-3-HF-F-M-12DC-UT-I - Surge protection device

2906786

https://www.phoenixcontact.com/us/products/2906786

Surge protection, consisting of protective plug and base element, with integrated status indicator and knife disconnection for three signal wires with common reference potential. For HF applications and telecommunications interfaces without supply voltage. Indirect grounding via gas discharge tube, EX e approval for zone 2. Can be used in safety-related circuits up to SIL 3.

FL DIN RA - DIN rail adapter

2891053

https://www.phoenixcontact.com/us/products/2891053

The FL DIN RA is installed in a standard, 19-inch rack (EIA-310-D, IEC 60297-3-100) to allow DIN rail mounted equipment to be rack mounted.