

# 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
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

#### Utilization restriction

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

Product type	Interface converter
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### 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 mm <sup>2</sup> ... 2.50 mm <sup>2</sup>
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

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## 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
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## Mounting

Mounting type	DIN rail mounting
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## Approvals

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

### **PROFINET**

Approval ID: Z12958

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## Classifications

### ECLASS

ECLASS-11.0	19179090
ECLASS-12.0	19179090
ECLASS-13.0	19179090

### ETIM

ETIM 8.0	EC000310
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### UNSPSC

UNSPSC 21.0	43222600
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## Environmental product compliance

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

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

2313708

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



D-SUB connector, 9-pos., male connector, 90° cable entry, 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

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### 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

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### FL CAT5 PATCH 0,5 - Patch cable

2832263

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

Patch cable, CAT5, assembled, 0.5 m



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### 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

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

2881007

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



Surge protection in accordance with Class E<sub>A</sub> (CAT6<sub>A</sub>), 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

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## 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.

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