

GW PL DIO4-BUS - Protocol converter



2702237

<https://www.phoenixcontact.com/us/products/2702237>

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Four-channel digital input and four-channel digital output module with screw connection. For use with Modbus and OPC UA protocols.

Commercial data

Item number	2702237
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC322
GTIN	4055626067087
Weight per piece (including packing)	340 g
Weight per piece (excluding packing)	325 g
Customs tariff number	85176200
Country of origin	DE

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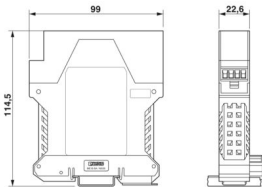


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Technical data

Dimensions

Dimensional drawing	
Width	22.5 mm
Height	99 mm
Depth	114.5 mm

Notes

Note on application

Note on application	Only for industrial use
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Utilization restriction

CCCex note	Use in potentially explosive areas is not permitted in China.
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Material specifications

Color	gray
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Interfaces

Data: Digital inputs

Connection method	Screw connection
No. of channels	4

Input data

Voltage input signal	0 V ... 30 V
Switching level "0" signal	0 V DC ... 5 V DC
Switching level "1" signal	15 V DC ... 30 V DC

Output data

Switching

Output name	Digital output
Number of outputs	4
Maximum switching voltage	30 V DC
Max. switching current	500 mA

Product properties

Product type	I/O component
MTBF	406 Years (Siemens model SN29500, temperature 40°C, env.)

factor 1.5 and stress factor 50%)

Electrical properties

Test voltage data interface/power supply	500 V AC
Test voltage data interfaces	500 V AC

Supply

Supply voltage range	19.2 V DC ... 30 V DC (supplied from the bus)
Typical current consumption	15 mA (at 24 V DC)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C -40 °F ... 158 °F
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Approvals

Conformity/Approvals

Conformance	CE-compliant
Noxious gas test	ISA-S71.04-1985 G3 Harsh Group A

Ex data

ATEX	II 3 G Ex nA IIC T4 Gc DEMKO 17 ATEX 1749X
IECEX	IECEX ULD 17.0020X Ex nA IIC T4 Gc
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D

Mounting

Mounting type	DIN rail mounting
Assembly note	on standard DIN rail NS 35 in accordance with EN 60715
Mounting position	any

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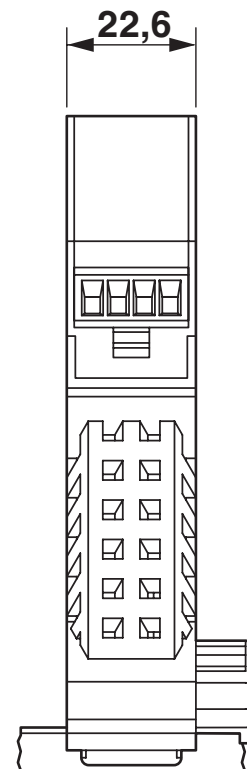
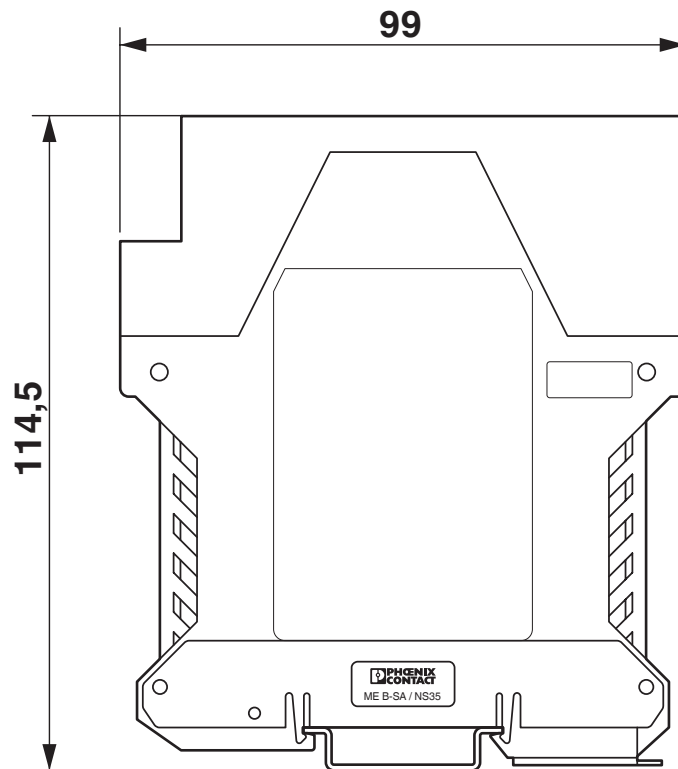
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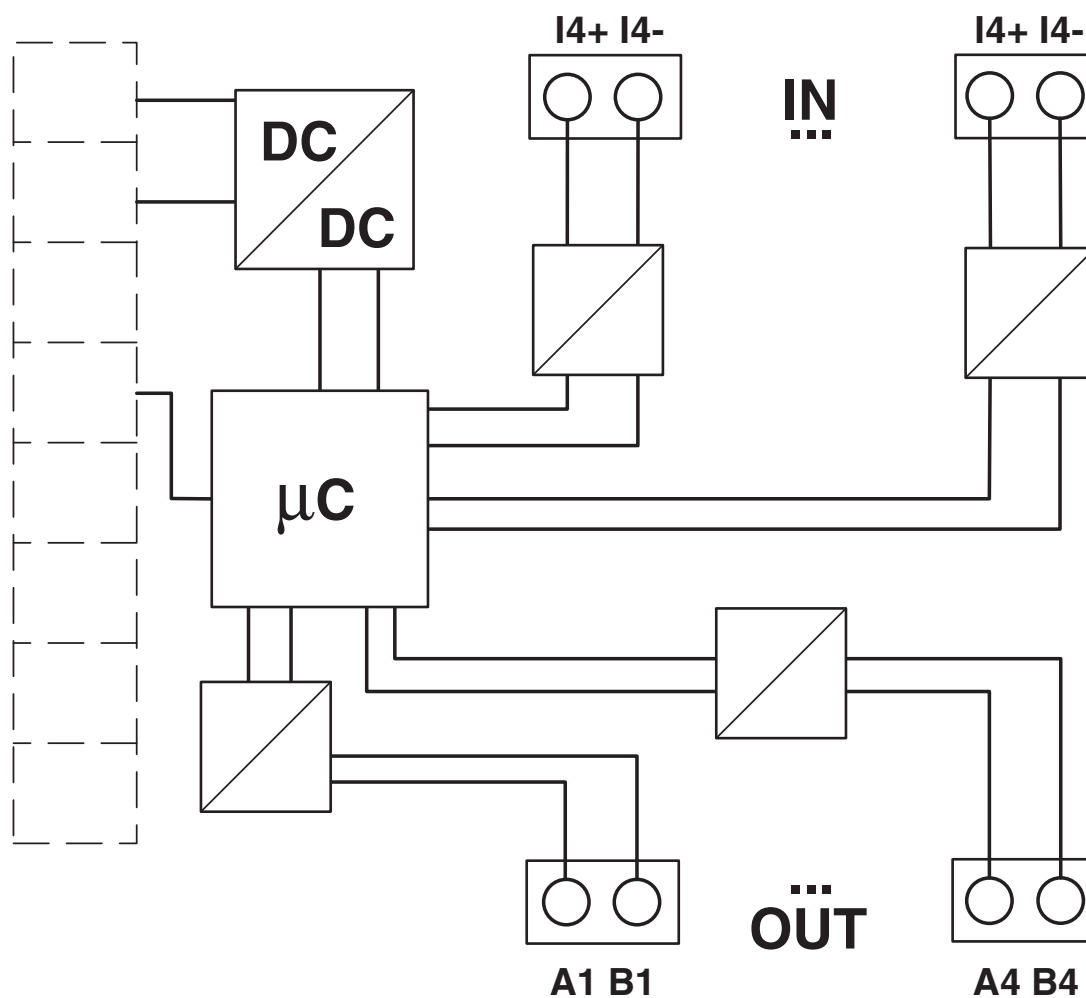


Drawings

Dimensional drawing



Block diagram



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Classifications

ECLASS

ECLASS-13.0	27242208
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ETIM

ETIM 9.0	EC001423
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UNSPSC

UNSPSC 21.0	32151700
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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%

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