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.

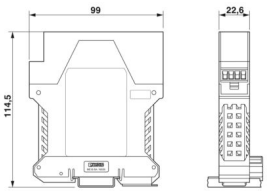
ELEKTROGERÄTE RÜCKNAHME

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

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

Utilization restriction

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

Mounting

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

Material specifications

Color	gray

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

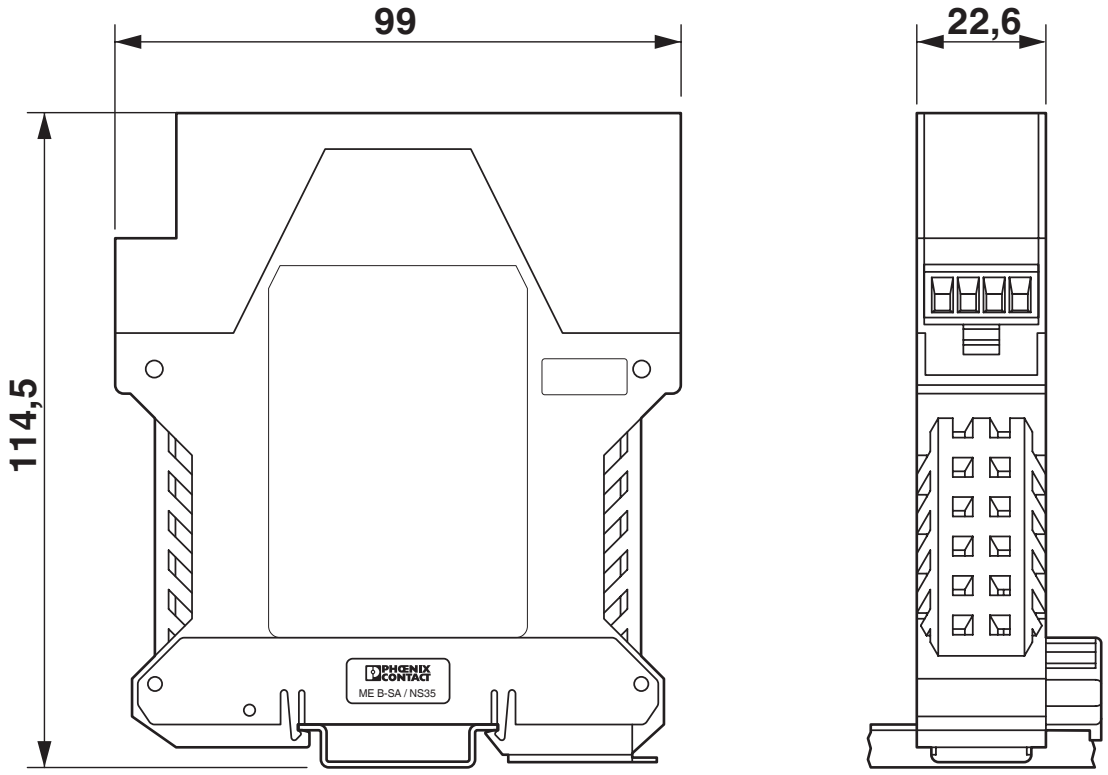
Conformance	CE-compliant
Noxious gas test	ISA-S71.04-1985 G3 Harsh Group A

Ex data

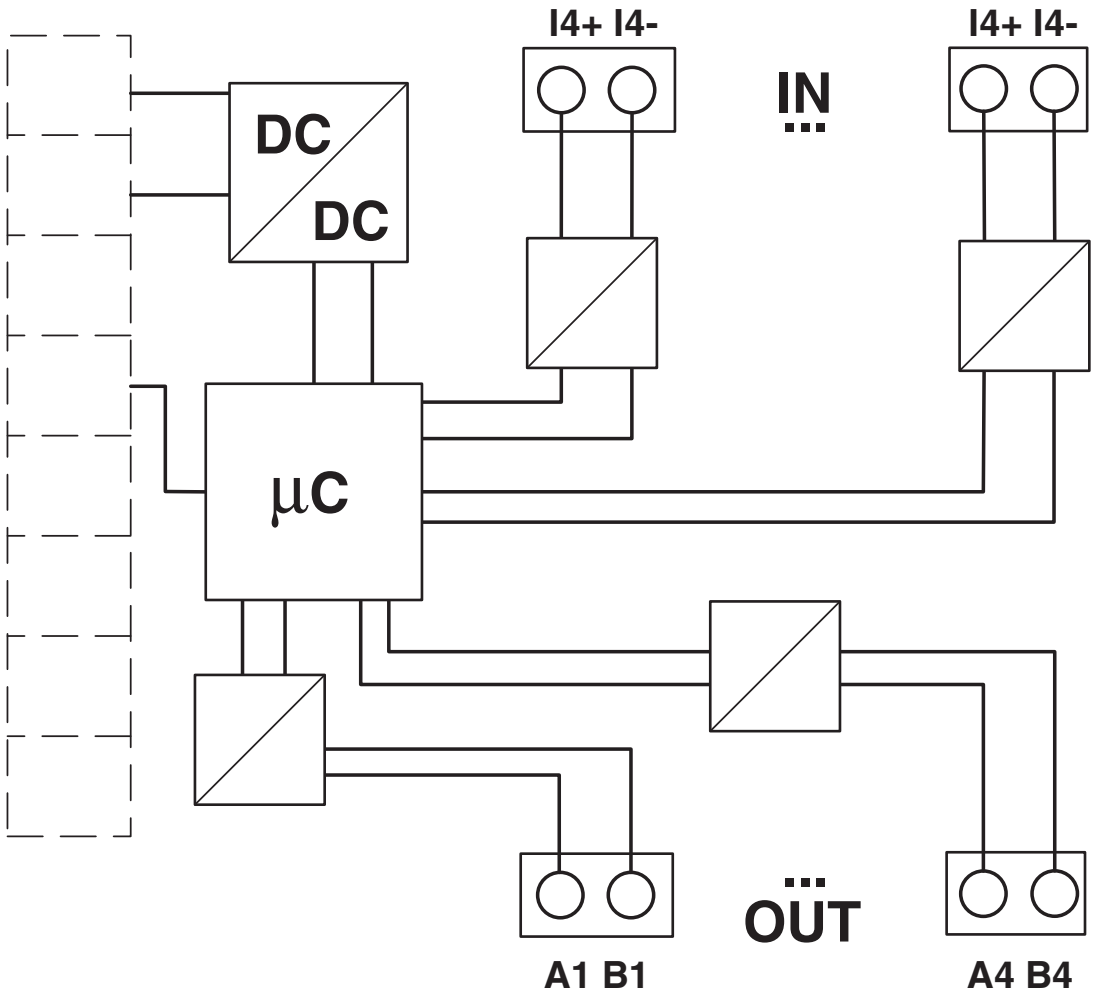
ATEX	Ⓔx II 3 G Ex nA IIC T4 Gc DEMKO 17 ATEX 1749X
IECEx	IECEx ULD 17.0020X Ex nA IIC T4 Gc
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D

Drawings

Dimensional drawing



Block diagram



Classifications

ECLASS

ECLASS-13.0	27242208

ETIM

ETIM 9.0	EC001423

UNSPSC

UNSPSC 21.0	32151700

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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