

GW PL HART8-R-BUS - Protocol converter



2702880

<https://www.phoenixcontact.com/us/products/2702880>

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Eight-channel HART® expansion module, with screw connection, with 250 Ω internal input resistors

Commercial data

Item number	2702880
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC322
GTIN	4055626384795
Weight per piece (including packing)	313.6 g
Weight per piece (excluding packing)	310 g
Customs tariff number	85176200
Country of origin	DE

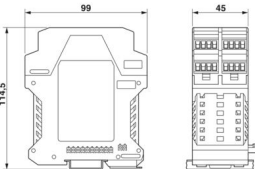
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Technical data

Dimensions

Dimensional drawing		
Width		45 mm
Height		99 mm
Depth		114.5 mm

Notes

Note on application	
Note on application	Only for industrial use

Material specifications

Color	gray
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Interfaces

Data: HART FSK	
Transmission speed	1200 bps
Connection method	Screw connection
No. of channels	8

Product properties

Product type	I/O component
MTBF	272 Years (Siemens model SN29500, temperature 40°C, env. factor 1.5 and stress factor 50%)
Data management status	
Article revision	01

Electrical properties

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

Supply	
Typical current consumption	46 mA (at 24 V DC)

Environmental and real-life conditions

Ambient conditions	
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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

Mounting

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

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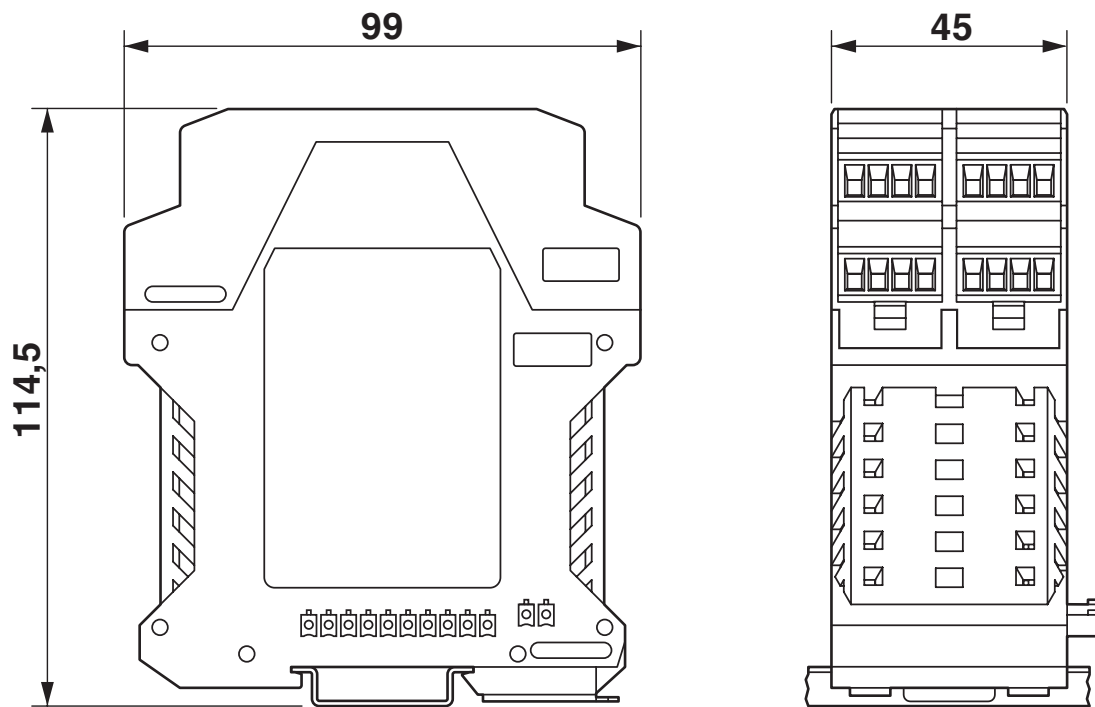
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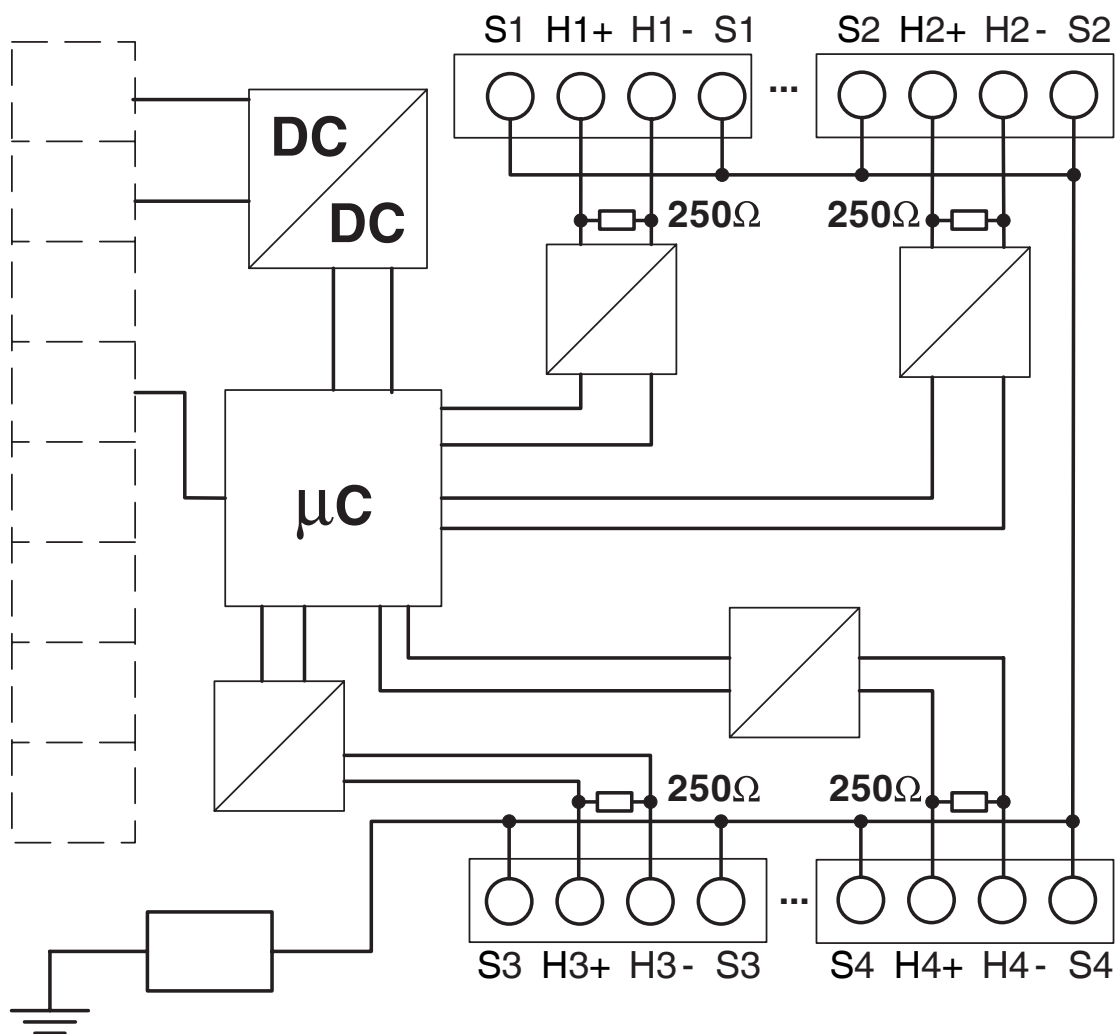


Drawings

Dimensional drawing



Block diagram



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Classifications

ECLASS

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

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-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Mandatory accessories

GW PL ETH/UNI-BUS - Ethernet HART multiplexer

2702233

<https://www.phoenixcontact.com/us/products/2702233>



Ethernet head station for modular HART gateway. Connect up to five GW PL HART...-BUS expansion modules to communicate with up to 40 HART devices. Supports Modbus TCP, OPC UA, PROFINET, HART IP, FDT/DTM and Arcom.

GW PL ETH/BASIC-BUS - Ethernet HART multiplexer

2702321

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Ethernet head station for modular HART gateway. Connect up to five GW PL HART...-BUS expansion modules to communicate with up to 40 HART devices. Supports Modbus TCP, HART IP, FDT/DTM and Arcom.

Accessories

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GW PL HART8-BUS - Protocol converter

2702235

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Eight-channel HART® expansion module, with screw connection

GW PL HART8+AI-BUS - Protocol converter

2702236

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Eight-channel HART® expansion module with analog loop supply and screw connection

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GW PL DIO4-BUS - Protocol converter

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.

GW PL ETH/UNI-BUS - Ethernet HART multiplexer

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Ethernet head station for modular HART gateway. Connect up to five GW PL HART...-BUS expansion modules to communicate with up to 40 HART devices. Supports Modbus TCP, OPC UA, PROFINET, HART IP, FDT/DTM and Arcom.

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Ethernet head station for modular HART gateway. Connect up to five GW PL HART...-BUS expansion modules to communicate with up to 40 HART devices. Supports Modbus TCP, HART IP, FDT/DTM and Arcom.

GW PL HART4-R-BUS - Protocol converter

2702879

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Four-channel HART® expansion module, with screw connection, with 250 Ω internal input resistors

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GW PL HART4-BUS - Protocol converter

2702234

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Four-channel HART® expansion module, with screw connection



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