

# GW PL HART8-R-BUS - Protocol converter



2702880

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

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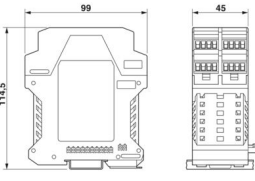
Eight-channel HART® expansion module, with screw connection, with 250 Ω internal input resistors

## 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

## 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
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### Material specifications

Color (Housing)	light gray (RAL 7035)
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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%)

### 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)
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### Environmental and real-life conditions

#### Ambient conditions

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

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Ambient temperature (storage/transport)	-40 °C ... 85 °C
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## Approvals

### Conformity/Approvals

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

## Mounting

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

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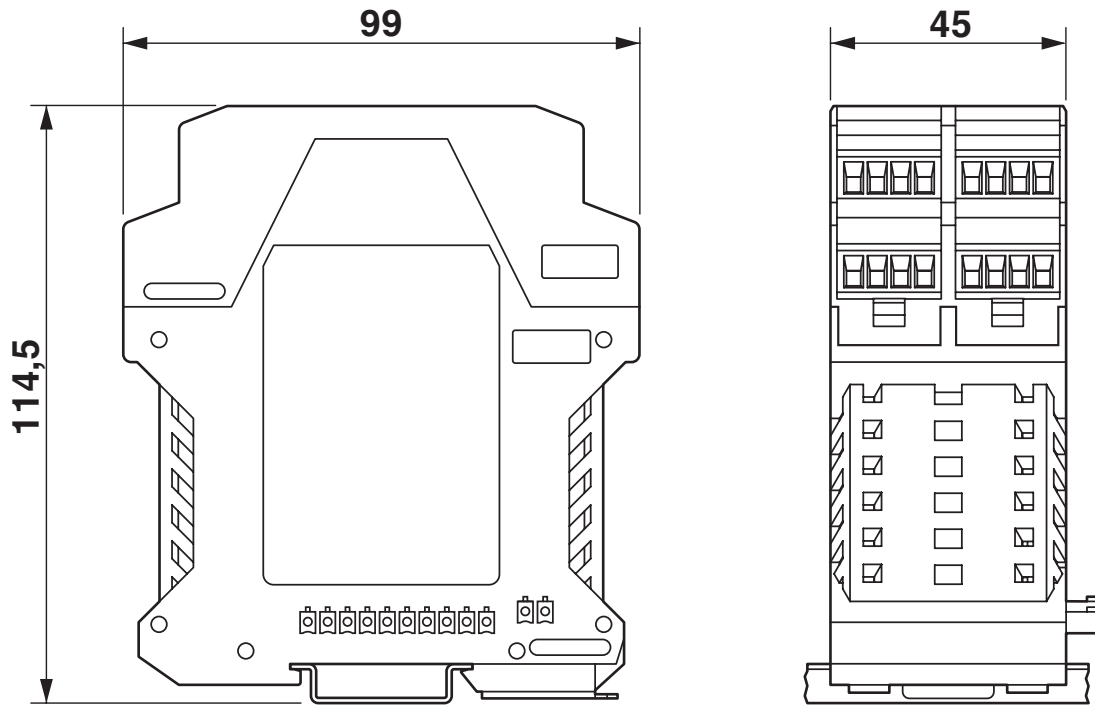
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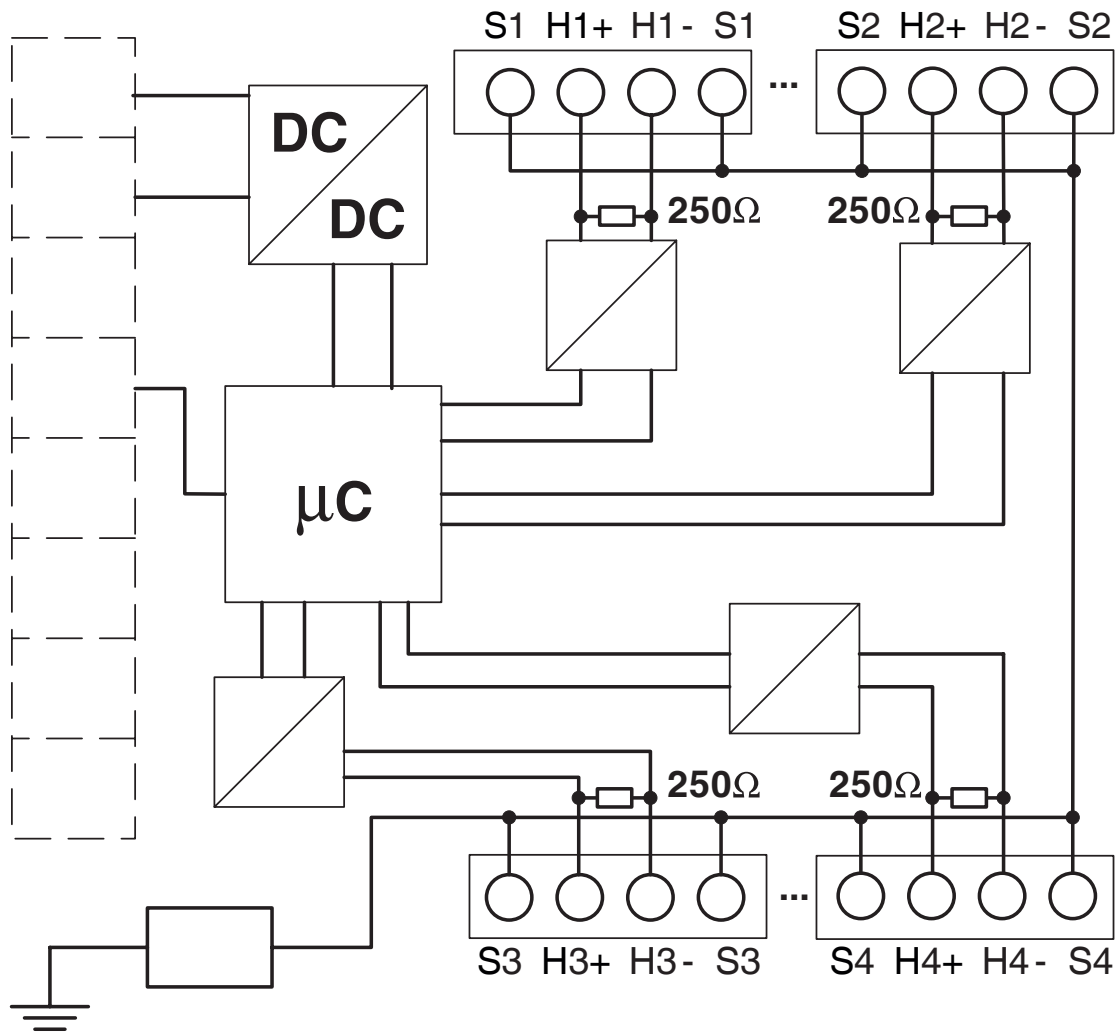


## Drawings

Dimensional drawing



Block diagram



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## Classifications

### ECLASS

ECLASS-13.0	27242208
ECLASS-15.0	27242208

### UNSPSC

UNSPSC 21.0	32151700
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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