

# GW PL HART8-BUS - Protocol converter



2702235

<https://www.phoenixcontact.com/us/products/2702235>

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Eight-channel HART® expansion module, with screw connection

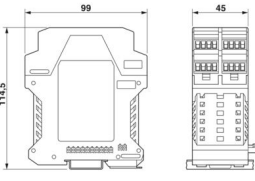


## Commercial data

Item number	2702235
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC322
GTIN	4055626067063
Weight per piece (including packing)	322.2 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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#### Utilization restriction

CCCex note	Use in potentially explosive areas is not permitted in China.
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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	294 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	46 mA (at 24 V DC)

### Environmental and real-life conditions

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## 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
Useable DIN rail type	DIN rail: 35 mm

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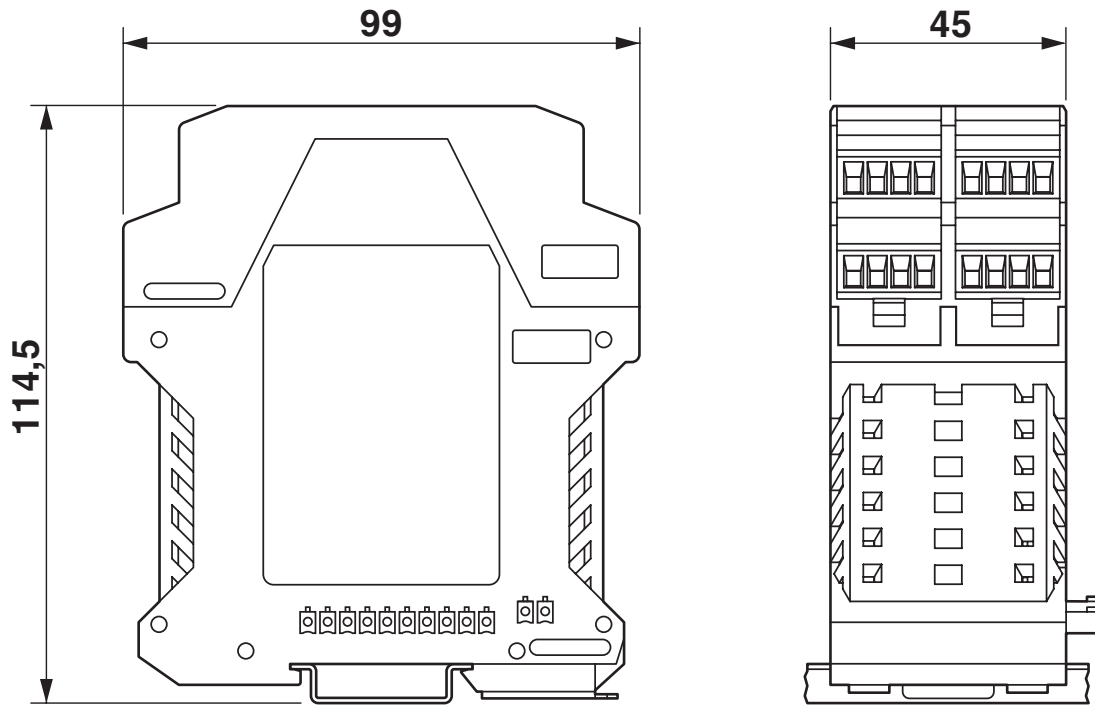


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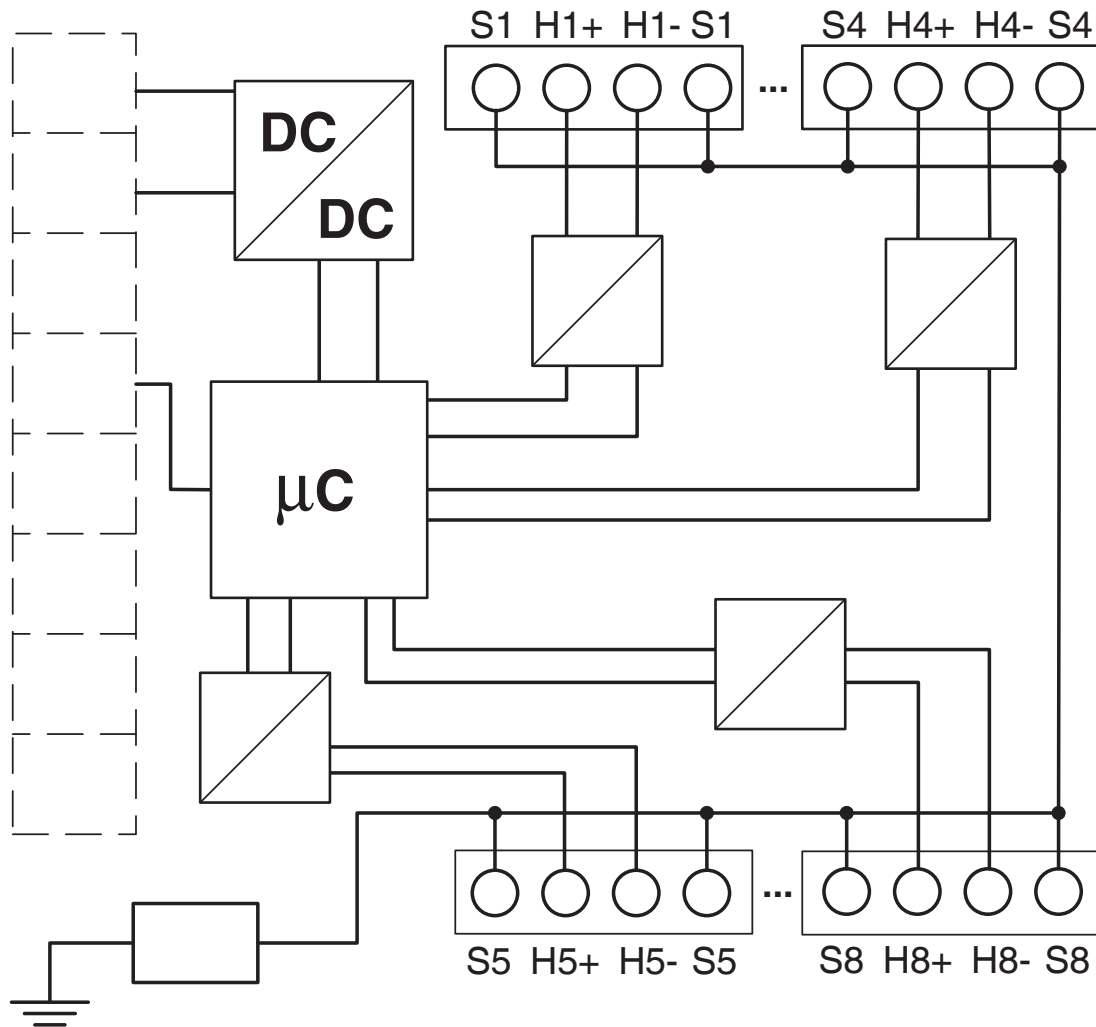
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## Drawings

Dimensional drawing



Block diagram



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## Approvals

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 **UL Listed**  
Approval ID: E238705


 **cUL Listed**  
Approval ID: E238705

 **KC**  
Approval ID: R-REI-PCK-2702235

 **IECEx**  
Approval ID: IECEx ULD 17.0020X

 **cUL Listed**  
Approval ID: E196811

 **UL Listed**  
Approval ID: E196811

 **ATEX**  
Approval ID: DEMKO 17 ATEX 1749X

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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-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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