

2702236

<https://www.phoenixcontact.com/us/products/2702236>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

Commercial data

Item number	2702236
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC322
Catalog page	Page 463 (C-6-2019)
GTIN	4055626067070
Weight per piece (including packing)	348.4 g
Weight per piece (excluding packing)	342.4 g
Customs tariff number	85176200
Country of origin	DE

GW PL HART8+AI-BUS - Protocol converter

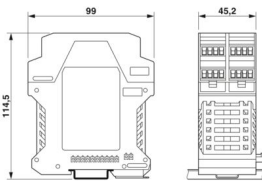


2702236

<https://www.phoenixcontact.com/us/products/2702236>

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
---------------------	-------------------------

Utilization restriction

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

Material specifications

Color	gray
-------	------

Interfaces

Data: HART FSK

Transmission speed	1200 bps
Connection method	Screw connection
No. of channels	8
Maximum output current	25 mA (per channel)

Input data

Input impedance	240 Ω
-----------------	--------------

Product properties

Product type	I/O component
MTBF	208 Years (Siemens model SN29500, temperature 40°C, env. factor 1.5 and stress factor 50%)

Data management status

Article revision	05
------------------	----

Electrical properties

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

Supply

GW PL HART8+AI-BUS - Protocol converter



2702236

<https://www.phoenixcontact.com/us/products/2702236>

Supply voltage range	19.2 V DC ... 30 V DC (supplied from the bus)
Typical current consumption	74 mA (24 V DC with no load)
Max. current consumption	258 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

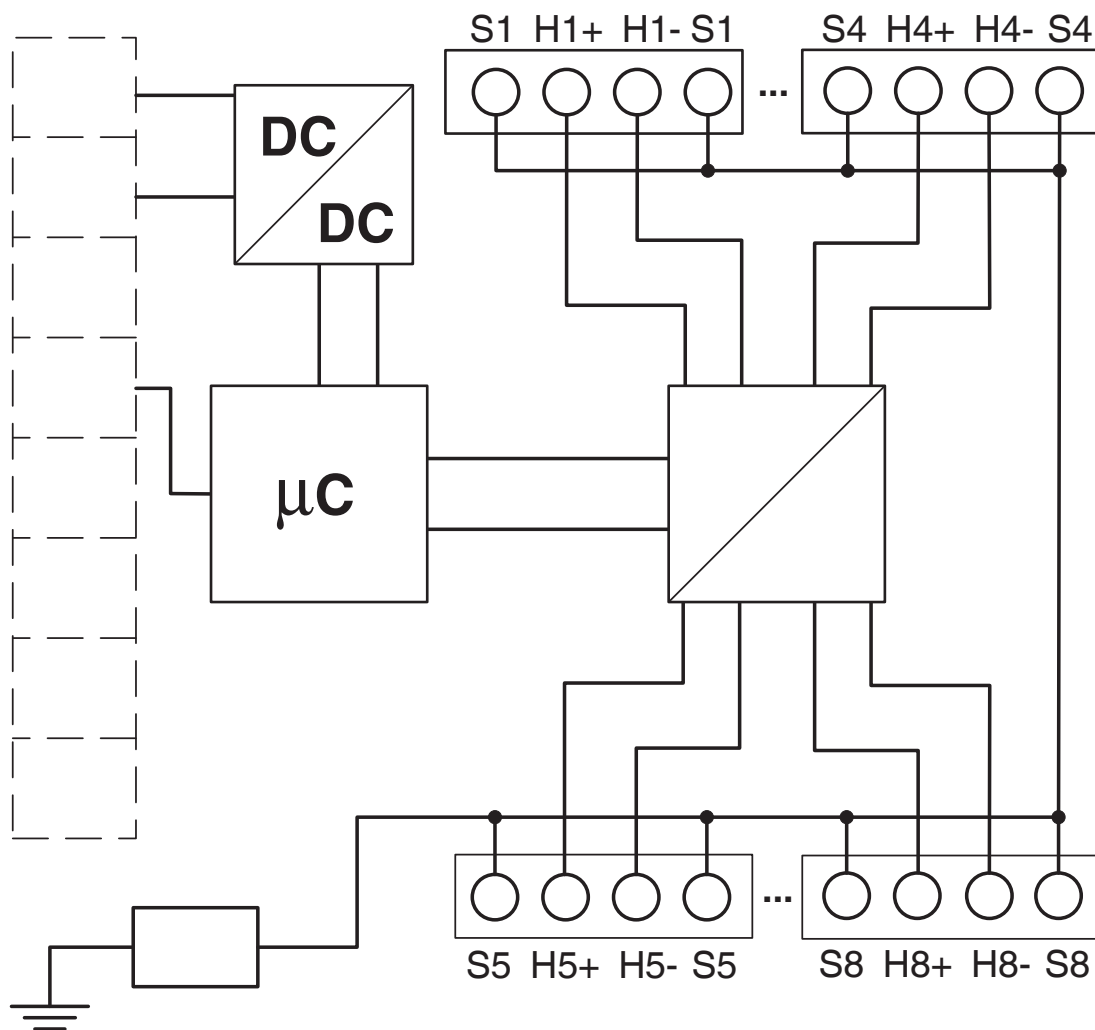
ATEX	Ⓔ II 3 G Ex nA IIC T4 Gc DEMKO 17 ATEX 1749X
IECEX	IECEX ULD 17.0020X Ex nA IIC T4 Gc
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D

Mounting

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

Drawings

Block diagram



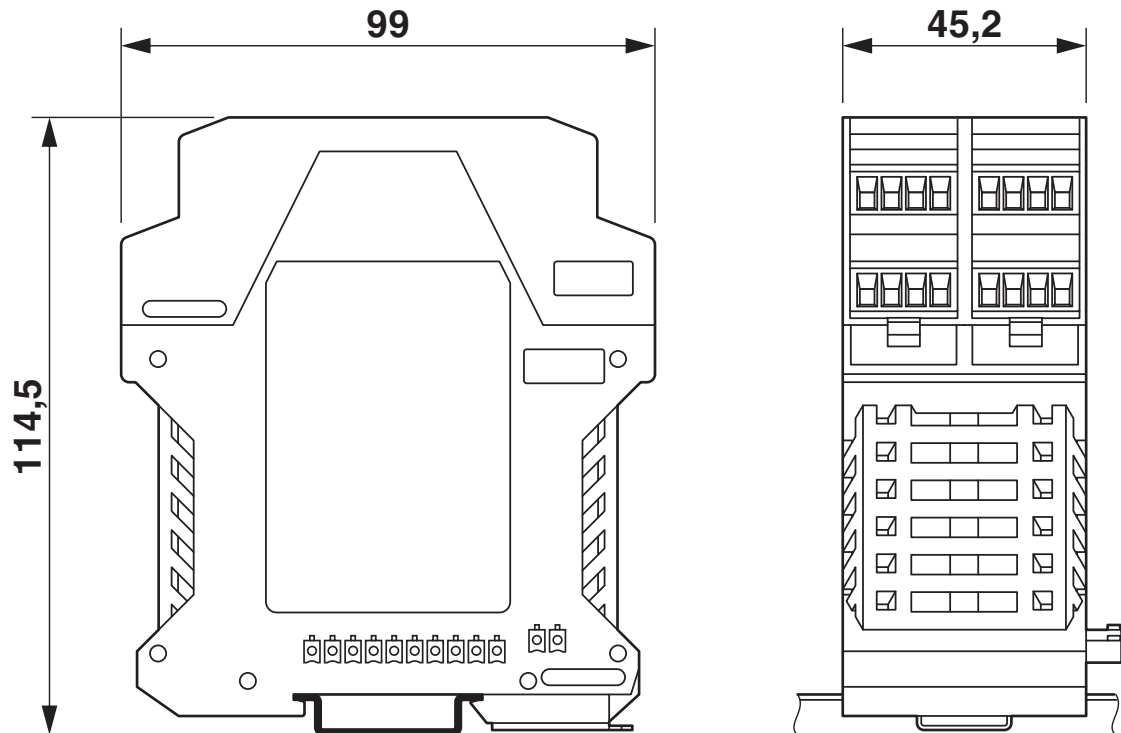
GW PL HART8+AI-BUS - Protocol converter

2702236

<https://www.phoenixcontact.com/us/products/2702236>



Dimensional drawing



GW PL HART8+AI-BUS - Protocol converter



2702236

<https://www.phoenixcontact.com/us/products/2702236>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2702236>



UL Listed
Approval ID: E238705



cUL Listed
Approval ID: E238705



IECEx
Approval ID: IECEx ULD 17.0020X



cUL Listed
Approval ID: E196811



UL Listed
Approval ID: E196811



ATEX
Approval ID: DEMKO 17 ATEX 1749X

cULus Listed

cULus Listed

GW PL HART8+AI-BUS - Protocol converter



2702236

<https://www.phoenixcontact.com/us/products/2702236>

Classifications

ECLASS

ECLASS-11.0	27242208
ECLASS-12.0	27242208
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-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%

GW PL HART8+AI-BUS - Protocol converter



2702236

<https://www.phoenixcontact.com/us/products/2702236>

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

<https://www.phoenixcontact.com/us/products/2702321>



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

GW PL HART8+AI-BUS - Protocol converter

2702236

<https://www.phoenixcontact.com/us/products/2702236>



GW PL HART4-BUS - Protocol converter

2702234

<https://www.phoenixcontact.com/us/products/2702234>



Four-channel HART® expansion module, with screw connection

GW PL HART8-BUS - Protocol converter

2702235

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



Eight-channel HART® expansion module, with screw connection

GW PL HART8+AI-BUS - Protocol converter

2702236

<https://www.phoenixcontact.com/us/products/2702236>



GW PL DIO4-BUS - Protocol converter

2702237

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



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

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 HART8+AI-BUS - Protocol converter

2702236

<https://www.phoenixcontact.com/us/products/2702236>



GW PL ETH/BASIC-BUS - Ethernet HART multiplexer

2702321

<https://www.phoenixcontact.com/us/products/2702321>



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

<https://www.phoenixcontact.com/us/products/2702879>



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

GW PL HART8+AI-BUS - Protocol converter

2702236

<https://www.phoenixcontact.com/us/products/2702236>



GW PL HART8-R-BUS - Protocol converter

2702880

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



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

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com