

Protocol converter - GW PL HART8+AI-BUS



2702236

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

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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
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

Protocol converter - GW PL HART8+AI-BUS

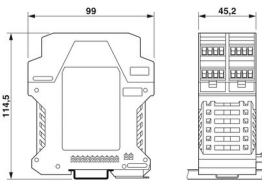


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Technical Data

Dimensions

Dimensional drawing	
Width	45 mm
Height	99 mm
Depth	114.5 mm

Notes

Utilization restriction

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

Color	gray
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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
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Product properties

Product type	I/O component
MTBF	208 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
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Supply

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)

Ambient conditions

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2702236

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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

Approval data

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 instructions	on standard DIN rail NS 35 in accordance with EN 60715
Mounting position	any

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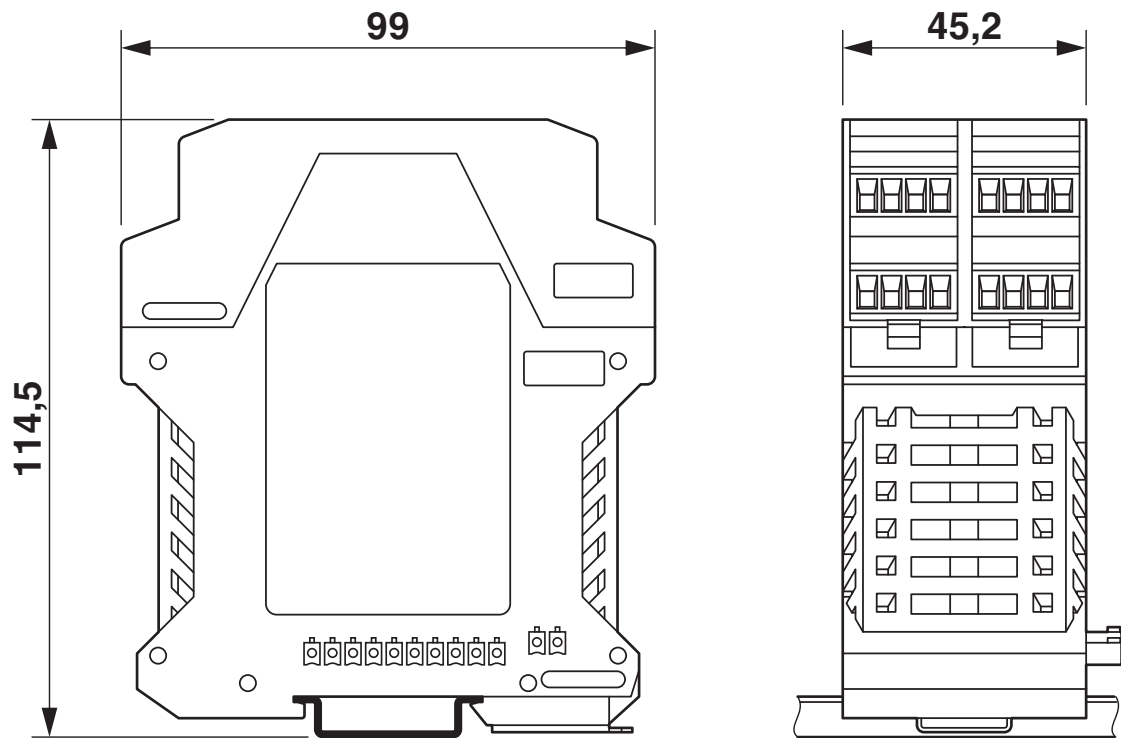
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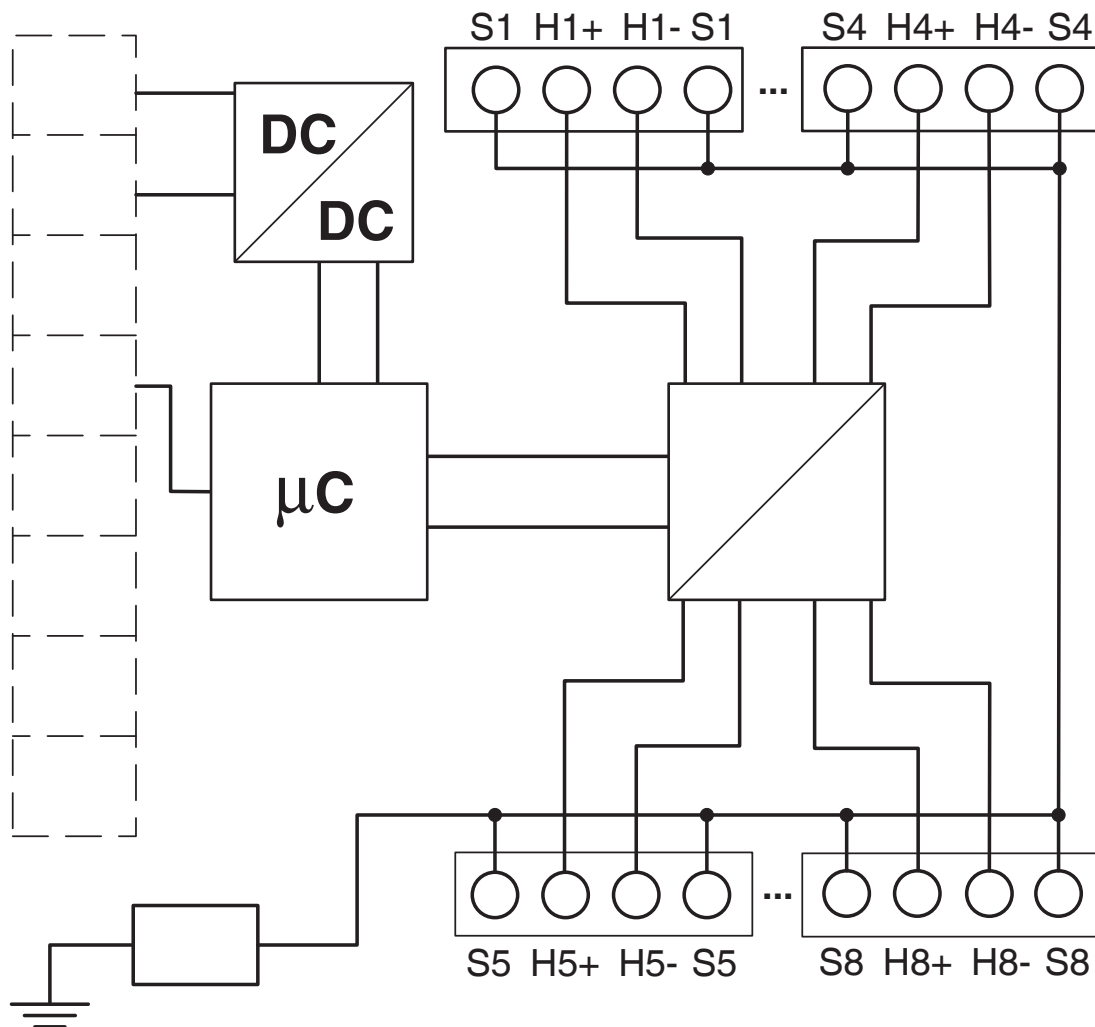


Drawings

Dimensional drawing



Block diagram



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Approvals



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705



IECEx

Approval ID: IECEx ULD 17.0020X



cUL Listed

Approval ID: FILE E 196811



UL Listed

Approval ID: FILE E 196811



ATEX

Approval ID: DEMKO 17 ATEX 1749X

cULus Listed

cULus Listed

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Classifications

ECLASS

ECLASS-9.0	27242208
ECLASS-10.0.1	27242208
ECLASS-11.0	27242208

ETIM

ETIM 8.0	EC001423
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UNSPSC

UNSPSC 21.0	32151700
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Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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2702236

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Mandatory Accessories

Ethernet HART multiplexer

Ethernet HART multiplexer - GW PL ETH/UNI-BUS - 2702233

<https://www.phoenixcontact.com/pc/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.

Ethernet HART multiplexer

Ethernet HART multiplexer - GW PL ETH/BASIC-BUS - 2702321

<https://www.phoenixcontact.com/pc/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

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Protocol converter

Protocol converter - GW PL HART4-BUS - 2702234

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Four-channel HART[®] expansion module, with screw connection



Protocol converter

Protocol converter - GW PL HART8-BUS - 2702235

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Eight-channel HART[®] expansion module, with screw connection



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Protocol converter

Protocol converter - GW PL DIO4-BUS - 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.

Ethernet HART multiplexer

Ethernet HART multiplexer - GW PL ETH/UNI-BUS - 2702233

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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 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, HART IP, FDT/DTM and Arcom.

Protocol converter

Protocol converter - GW PL HART4-R-BUS - 2702879

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



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

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Protocol converter

Protocol converter - GW PL HART8-R-BUS - 2702880

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



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

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