GW PL DP/HART - Protocol converter

2316362

https://www.phoenixcontact.com/us/products/2316362

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.



HART to PROFIBUS DP protocol converter

Product description

Protocol converter capable of connecting four HART (4-20 mA) devices to a PROFIBUS DP network

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	2316362
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC135
GTIN	4055626128306
Weight per piece (including packing)	280.5 g
Weight per piece (excluding packing)	267.3 g
Customs tariff number	85176200
Country of origin	US

Technical data

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Interface converter

Insulation characteristics

Overvoltage category	II
Degree of pollution	2

Electrical properties

Supply

Supply voltage range	18.5 V DC ... 30 V DC (Range)
Nominal supply voltage	24 V DC
Max. current consumption	75 mA

Connection data

Supply

Connection method	COMBICON plug-in screw terminal block
Conductor cross-section, flexible	0.20 mm² ... 2.50 mm²
Conductor cross-section, rigid	0.20 mm² ... 2.50 mm²
Conductor cross-section AWG	24 ... 12
Tightening torque	0.5 Nm ... 0.6 Nm

Interfaces

Data: PROFIBUS DP

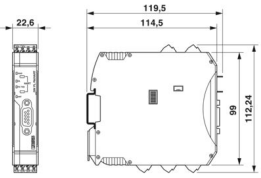
Data rate	9.6 kbps (min.)
	12 Mbps (max.)
Number of connections	2
Connection method	D-SUB-9, COMBICON
No. of channels	1
Tightening torque	0.5 Nm ... 0.6 Nm
Connection technology	Screw connection
Termination resistor	390 Ω - 220 Ω - 390 Ω (switchable)
Conductor cross-section flexible max.	2.5 mm²
Conductor cross-section flexible min.	0.2 mm²
Conductor cross-section, rigid max.	2.5 mm²
Conductor cross-section, rigid min.	0.2 mm²
Conductor cross-section AWG max.	12

Conductor cross-section AWG min.	24
Protocols supported	HART, PROFIBUS DP

Data: HART FSK

Number of connections	3
Connection method	COMBICON
No. of channels	4 (Active/Passive HART devices)
Tightening torque	0.5 Nm ... 0.6 Nm
Connection technology	Screw connection
Conductor cross-section flexible max.	2.5 mm²
Conductor cross-section flexible min.	0.2 mm²
Conductor cross-section, rigid max.	2.5 mm²
Conductor cross-section, rigid min.	0.02 mm²
Conductor cross-section AWG max.	12
Conductor cross-section AWG min.	24

Dimensions

Dimensional drawing	
Width	22.5 mm
Height	99 mm
Depth	114.5 mm

Material specifications

Color (Housing)	light gray (RAL 7035)
Housing material	PA V0

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	2000 m
Permissible humidity (operation)	95 % (non-condensing)
Shock	30g, 18 ms
Vibration (operation)	10 Hz ... 150 Hz, 5g

Approvals

Ex data

ATEX	PRESAFE 16ATEX7686X, II 3G, Ex nA IIC T4 Gc

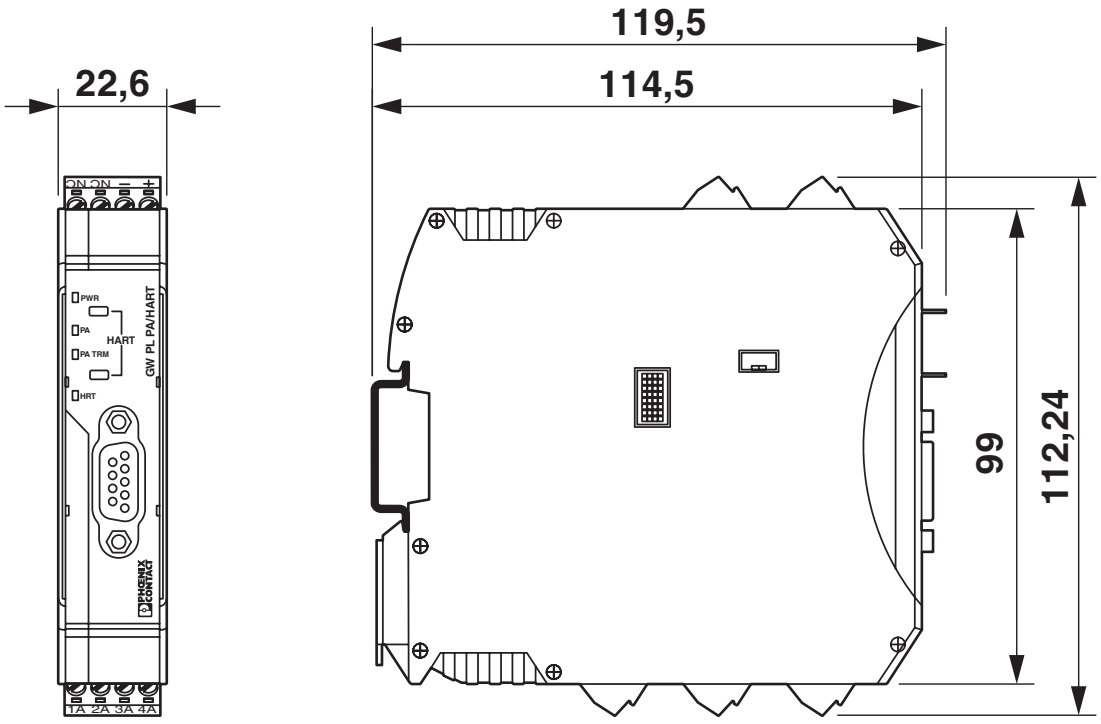
IECEx	IECEx PRE 16.0001X, Ex nA IIC T4 Gc
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D Class I, Zone 2, AEx nA IIC T4, Ex nA IIC T4 GcX

Mounting

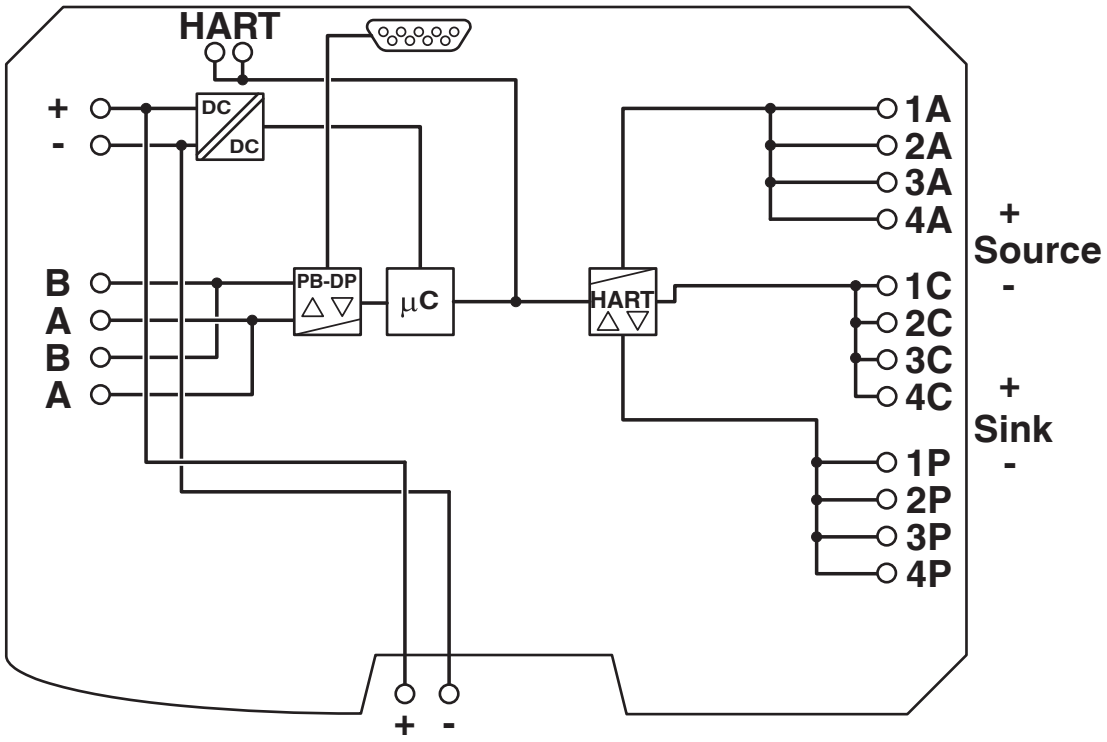
Mounting type	DIN rail mounting
Assembly note	on standard DIN rail NS 35 in accordance with EN 60715
Mounting position	on horizontal DIN rail NS 35 in acc. with EN 60715
Useable DIN rail type	DIN rail: 35 mm

Drawings

Dimensional drawing



Block diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2316362

IECEx
Approval ID: IECEx PRE 16 0001X

cUL Listed
Approval ID: E199827

UL Listed
Approval ID: E199827

ATEX
Approval ID: Presafe16ATEX7686X 2

Classifications

ECLASS

ECLASS-13.0	27242208
ECLASS-15.0	27242208

ETIM

ETIM 10.0	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-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Phoenix Contact 2026 © - 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