chanhvinh.com

GW PL FF/HART - Protocol converter

2316360

https://www.phoenixcontact.com/pc/products/2316360

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 Foundation Fieldbus protocol converter

Product description

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

Commercial data

Item number	2316360
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNC135
Catalog page	Page 462 (C-6-2019)
GTIN	4055626128320
Weight per piece (including packing)	270.8 g
Weight per piece (excluding packing)	270.8 g
Customs tariff number	85176200
Country of origin	US

chanhvinh.com

GW PL FF/HART - Protocol converter

2316360

https://www.phoenixcontact.com/pc/products/2316360

Technical data

Notes

Note on application

Note on application	Only for industrial use

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area

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
Nominal supply voltage	24 V DC
Max. current consumption	70 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: FOUNDATION Fieldbus

Data rate	31.25 kbps
Number of connections	1
Connection method	COMBICON
No. of channels	1
Tightening torque	0.5 Nm ... 0.6 Nm
Connection technology	Screw connection
Termination resistor	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

chanhvinh.com

GW PL FF/HART - Protocol converter

2316360

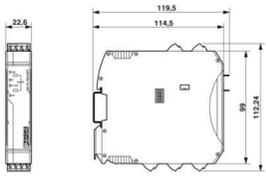
https://www.phoenixcontact.com/pc/products/2316360

Conductor cross section, rigid min.	0.2 mm²
Conductor cross section AWG max.	12
Conductor cross section AWG min.	24
Protocols supported	HART, FOUNDATION Fieldbus

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	gray
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)	5g, 10 Hz ... 150 Hz

Approvals

chanhvinh.com

GW PL FF/HART - Protocol converter

2316360

https://www.phoenixcontact.com/pc/products/2316360

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

Standards and regulations

Standards/regulations	IEC 60079-15
	IEC 60079-0

Mounting

Mounting type	DIN rail: 35 mm
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

chanhvinh.com

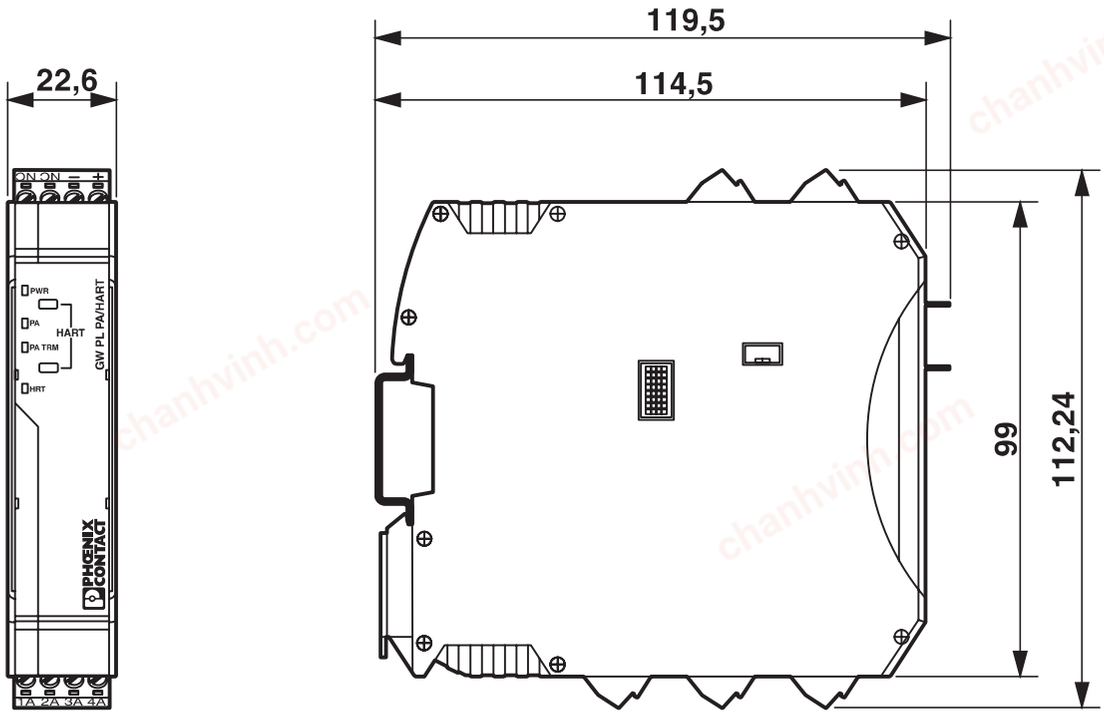
GW PL FF/HART - Protocol converter

2316360

https://www.phoenixcontact.com/pc/products/2316360

Drawings

Dimensional drawing



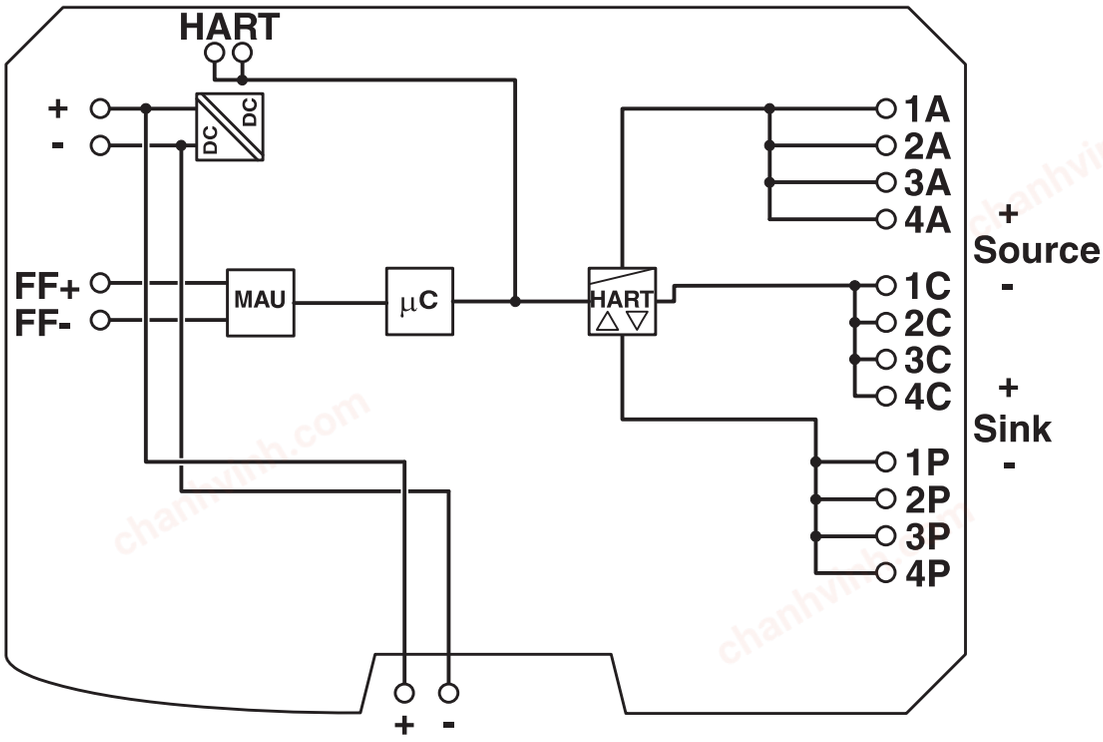
chanhvinh.com

GW PL FF/HART - Protocol converter

2316360

https://www.phoenixcontact.com/pc/products/2316360

Block diagram



chanhvinh.com

GW PL FF/HART - Protocol converter

2316360

https://www.phoenixcontact.com/pc/products/2316360

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/2316360

IECEx
Approval ID: IECEx PRE 16.0001X

cUL Listed
Approval ID: FILE E 199827

UL Listed
Approval ID: E199827

ATEX
Approval ID: Presafe 16ATEX7686X

cULus Listed

chanhvinh.com

GW PL FF/HART - Protocol converter

2316360

https://www.phoenixcontact.com/pc/products/2316360

Classifications

ECLASS

ECLASS-12.0	27242208
ECLASS-11.0	27242208
ECLASS-13.0	27242208

ETIM

ETIM 9.0	EC001423

UNSPSC

UNSPSC 21.0	32151700

chanhvinh.com

GW PL FF/HART - Protocol converter

2316360

https://www.phoenixcontact.com/pc/products/2316360

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%

Phoenix Contact 2025 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com