

GW PL PA/MODBUS - Protocol converter



2316364

<https://www.phoenixcontact.com/us/products/2316364>

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Modbus/RTU to PROFIBUS PA protocol converter



Product description

Protocol converter capable of connecting four Modbus/RTU devices to a PROFIBUS PA network

Commercial data

Item number	2316364
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC135
Catalog page	Page 462 (C-6-2019)
GTIN	4055626127385
Weight per piece (including packing)	206 g
Weight per piece (excluding packing)	206 g
Customs tariff number	85176200
Country of origin	US

Technical data

Notes

Utilization restriction

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

Product type	Interface converter
Insulation characteristics	
Overvoltage category	II
Degree of pollution	2

Electrical properties

Supply

Supply voltage range	18 V DC ... 30 V DC
Nominal supply voltage	24 V DC
Max. current consumption	34 mA

Connection data

Supply

Connection method	COMBICON plug-in screw terminal block
Conductor cross section, flexible	0.20 mm ² ... 2.50 mm ²
Conductor cross section, rigid	0.20 mm ² ... 2.50 mm ²
Conductor cross section AWG	24 ... 12
Tightening torque	0.5 Nm ... 0.6 Nm

Interfaces

Signal	Modbus
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Data: PROFIBUS PA

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 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section, rigid max.	2.5 mm ²
Conductor cross section, rigid min.	0.2 mm ²

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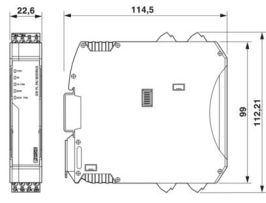
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Conductor cross section AWG max.	12
Conductor cross section AWG min.	24
Protocols supported	Modbus RTU, PROFIBUS PA

Data: Modbus/RTU

Data rate	115.2 kbps
Number of connections	2
Connection method	COMBICON
No. of channels	4 (Modbus/RTU devices)
Tightening torque	0.5 Nm ... 0.6 Nm
Connection technology	Screw connection
Termination resistor	Switchable
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section, rigid max.	2.5 mm ²
Conductor cross section, rigid min.	0.02 mm ²
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)	0 % ... 95 % (non-condensing)
Shock	30g, 18 ms
Vibration (operation)	5g, 10 Hz ... 150 Hz

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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: 35 mm
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715

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Classifications

ECLASS

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

ETIM

ETIM 9.0	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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