PI/NI-2D/24 - Signal conditioner

5607118

https://www.phoenixcontact.com/us/products/5607118

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Product description

The PI/NI-2D/24 barrier works with two-wire transmitters to prevent short circuits from causing explosions in Class I, Division 2 and Class I, Zone 2 environments.

Commercial data

Item number	5607118
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC1Z1
GTIN	4046356684767
Weight per piece (including packing)	105.4 g
Weight per piece (excluding packing)	69 g
Customs tariff number	85369010
Country of origin	US

Technical data

Notes

Trade restriction

CE note	The products are offered exclusively for export outside the EU and the European Economic Area.

Product properties

Product type	Signal conditioner
No. of channels	2

Input data

Signal

Description of the input	Digital input
Number of inputs	2
Input signal	Voltage
Voltage input signal	24 V DC ... 24 V DC ±20 %

Output data

Signal

Number of outputs	2
Voltage output signal	24 V DC ... 24 V DC ±20 %

Connection data

Connection method	Screw
Conductor cross-section AWG	30 ... 12
Tightening torque	5 lb_f-in. ... 7 lb_f-in.

Ex data

Safety data

Max. output voltage U_o	35 V DC
Max. output current I_o	75 mA
Max. output power P_o	2.6 W
Max. external inductivity L_o / Max. external capacitance C_o	/ 102 µF
	8.58 mH

Dimensions

Width	17 mm
Height	94 mm
Depth	70 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C

Approvals

Ex data

UL, USA / Canada	Class I, Zone 2, AEx nA [nC] IIC T4 Class I, Zone 2, Ex nA [nL] IIC T4 X
	Class I, Div. 2, Groups A, B, C, D T4

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/5607118

UL Listed
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Output	35 V	0.075 A	30 - 10	30 - 10

cUL Listed
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Output	35 V	0.075 A	30 - 10	-

cUL Listed
Approval ID: E199827

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Output	35 V	0.075 A	30 - 12	-

UL Listed
Approval ID: E199827

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Output	35 V	0.075 A	30 - 12	-

Classifications

ECLASS

ECLASS-13.0	27210120
ECLASS-15.0	27210120

ETIM

ETIM 10.0	EC002653

UNSPSC

UNSPSC 21.0	39121000

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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