

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 μ F

8.58 mH

Dimensions

Width

17 mm

Height

94 mm

Depth

70 mm

Environmental and real-life conditions

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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

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Approvals

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 UL Listed Approval ID: E238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Output	35 V	0.075 A	-	30 - 10

 cUL Listed Approval ID: E238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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
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
Output	35 V	0.075 A	30 - 12	-

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Classifications

ECLASS

ECLASS-11.0	27210120
ECLASS-12.0	27210120
ECLASS-13.0	27210120

ETIM

ETIM 8.0	EC002653
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UNSPSC

UNSPSC 21.0	39121000
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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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