

PI/NI-2D/24 - Signal conditioner



5607118

<https://www.phoenixcontact.com/ca/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	D22
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.
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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: FILE E 238705				
	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: FILE E 238705				
	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: FILE E 199827				
	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: FILE E 199827				
	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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PHOENIX CONTACT Ltd
8240 Parkhill Drive
Milton, Ontario L9T 5V7
1-800-890-2820
cdinfo@phoenixcontact.ca