

Inline terminal - IB IL EX-IS DIO 4/NAM-PAC - 2869911

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Inline intrinsically safe digital I/O terminal, 4 configurable input/output channels, complete with accessories

Your advantages

- ✓ NAMUR sensors supported (EN 60947-5-6)
- ✓ 4 configurable I/O channels
- ✓ Single-channel diagnostics
- ✓ 8.2 V sensor supply



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 470209
GTIN	4046356470209
Weight per Piece (excluding packing)	300.000 g
Custom tariff number	85389099
Country of origin	United States

Technical data

Note

Utilization restriction	Use in potentially explosive areas is not permitted in China.
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Dimensions

Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm

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Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20
	IP20

General

Mounting type	DIN rail
Color	blue
Net weight	204 g

Interfaces

Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kbps

Inline potentials

Designation	Communications power (U _L)
Supply voltage	5 V DC (via voltage jumper)
Current consumption	max. 50 mA
Supply voltage	28 V DC
Current consumption	max. 190 mA
Power consumption	4.8 W (per channel)

Digital inputs

Input name	Digital inputs
Description of the input	Can be configured as input or output
Connection method	Inline connector
Connection technology	2-conductor
Number of inputs	4
Protective circuit	Polarity protection, surge protection
Switching threshold "0" signal current	1.2 mA
Switching threshold "1" signal, current	2.1 mA

Digital outputs

Output name	Digital outputs
Output description	Digital passive output
Connection method	Inline connector
Connection technology	3-conductor

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Technical data

Digital outputs

Number of outputs	4
Protective circuit	Polarity protection, surge protection
Output voltage	24 V
Nominal output voltage	24 V DC

Standards and Regulations

Max. output voltage U_o	max. 28 V DC (Output)
Max. output current I_o	max. 109 mA (Output)
Max. output power P_o	max. 757 mW (Output)
Group	IIC (A, B)
Max. external inductivity L_o	1.015 mH
Max. external capacitance C_o	0.083 μ F
Additional text	Output
Group	IIB, [IIC, IIIB] (C, E, F, G)
Max. external inductivity L_o	3.045 mH
Max. external capacitance C_o	0.625 μ F
Additional text	Output
Group	IIA (D)
Max. external inductivity L_o	8.12 mH
Max. external capacitance C_o	2.15 μ F
Additional text	Output
Group	IIC (A, B)
Max. external inductivity L_o	1.52 mH
Max. external capacitance C_o	1.5 μ F
Additional text	Input
Group	IIB, [IIC, IIIB] (C, E, F, G)
Max. external inductivity L_o	4.56 mH
Max. external capacitance C_o	9.9 μ F
Additional text	Input
Group	IIA (D)
Max. external inductivity L_o	21.1 mH
Max. external capacitance C_o	39 μ F
Additional text	Input
ATEX	# II 3(1)GD Ex ec [ia Ga Da] IIC T4 Gc Sira 09ATEX2339X
IECEX	Ex ec [ia Ga Da] IIC T4 Gc IECEX SIR 10.0033X
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D
Safety-related maximum voltage U_m	28 V DC

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Standards and Regulations

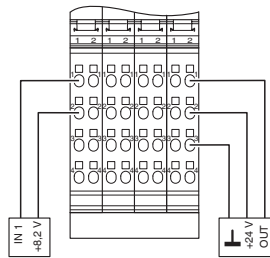
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Environmental Product Compliance

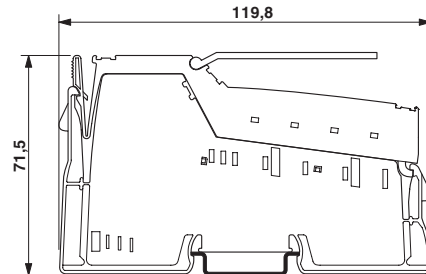
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Connection diagram



Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27242604
eCl@ss 11.0	27242604
eCl@ss 4.0	27240400
eCl@ss 4.1	27240400
eCl@ss 5.0	27242200
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242604
eCl@ss 9.0	27242604

ETIM

ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 6.0	EC001599
ETIM 7.0	EC001599

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Classifications

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602