

RAD-IN+OUT-2D-1A-I - Extension module



2867322

<https://www.phoenixcontact.com/us/products/2867322>

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Analog /digital module for 2 digital inputs/outputs and 1 analog input/output



Commercial data

Item number	2867322
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN26
Product key	DNC654
GTIN	4017918960636
Weight per piece (including packing)	186.8 g
Weight per piece (excluding packing)	179.7 g
Customs tariff number	85177000
Country of origin	CA

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Technical data

Product properties

Product type	Extension module
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Electrical properties

Maximum power dissipation for nominal condition	2.64 W
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Brake to be connected

Connection method	Screw connection
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Supply

Supply voltage range	9 V DC ... 30 V DC (via bus foot)
Typical current consumption	70 mA
Max. current consumption	110 mA

Input data

Digital

Input voltage range	5 V AC/DC ... 30 V AC/DC
Switching threshold "0" signal, voltage	max. 1.5 V DC
Switching threshold "1" signal voltage	min. 5 V DC

Analog

Description of the input	Current input
Number of inputs	1
Current input signal	4 mA ... 20 mA
Input resistance current input	< 170 Ω
Input frequency	max. 1 Hz

Digital

Description of the input	Voltage input
Number of inputs	2
Voltage input signal	5 V AC/DC ... 30 V AC/DC

Output data

Digital

Output name	Relay output
Number of outputs	2
Maximum switching voltage	30 V AC/DC (EC Declaration of Conformity) 30 V DC (in acc. with UL) 250 V AC (in acc. with UL)
Limiting continuous current	0.5 A (EC Declaration of Conformity) 2 A (in acc. with UL)

Analog

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Output name	Current output
Number of outputs	1
Current output signal	4 mA ... 20 mA
Load	700 Ω (at $U_B = 24\text{ V}$, $R_B = [U_B - 10\text{ V}] / 20\text{ mA}$)
Resolution	16 bit

Connection data

Connection method	Screw connection
Stripping length	8 mm
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Cross section AWG	24 ... 14
Screw thread	M3

Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

Material specifications

Color (Housing)	green (RAL 6021)
Material (Housing)	Polyamide

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 65 °C -4 °F ... 149 °F
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Approvals

CE

Certificate	CE-compliant
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UL, USA/Canada

Identification	Class I, Div. 2, Groups A, B, C, D
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Mounting

Assembly note	on standard DIN rail NS 35 in accordance with EN 60715
Mounting position	any

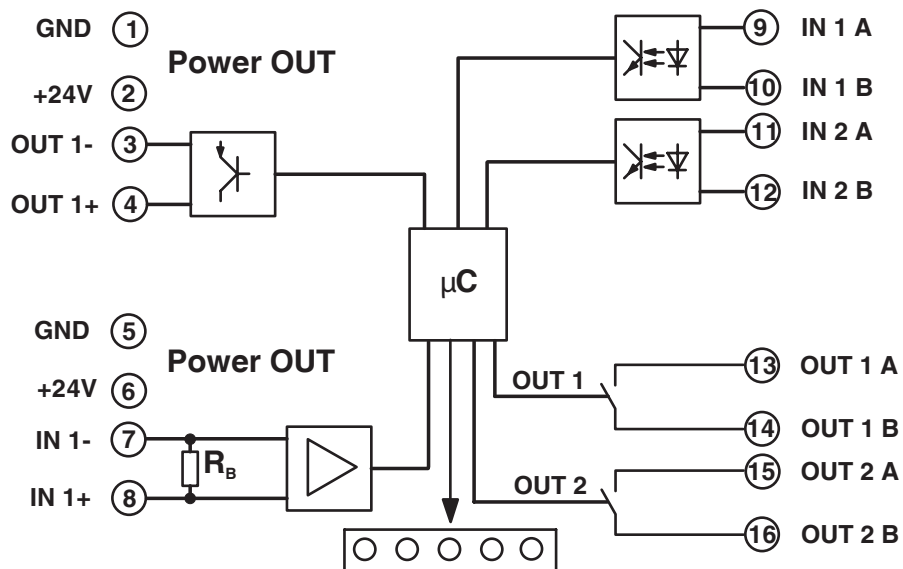
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Drawings

Block diagram



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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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