

RAD-IN-8D - Extension module

2867144

<https://www.phoenixcontact.com/us/products/2867144>

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Digital extension module with 8 digital inputs



Commercial data

Item number	2867144
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN26
Product key	DNC654
GTIN	4017918929640
Weight per piece (including packing)	163.4 g
Weight per piece (excluding packing)	163.4 g
Customs tariff number	85177000
Country of origin	CA

Technical data

Product properties

Product type	Extension module
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Electrical properties

Maximum power dissipation for nominal condition	0.72 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	25 mA
Max. current consumption	30 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

Digital

Description of the input	Voltage input
Number of inputs	8
Voltage input signal	5 V AC/DC ... 30 V AC/DC
Input frequency	max. 1 Hz

Output data

Analog

Load/output load current output	at $U_B = 24 \text{ V}$, $R_B = [U_B - 10 \text{ V}] / 20 \text{ mA}$
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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

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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

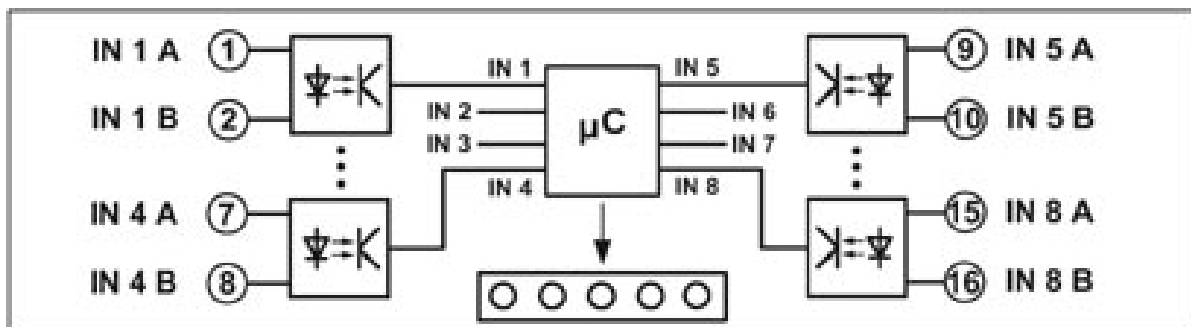
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Drawings

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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com