

## Extension module - RAD-IN+OUT-2D-1A-I - 2867322

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



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	189.3 g
Country of origin	Canada

### Technical data

#### Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

#### Ambient conditions

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

#### Analog input

Description of the input	Current input
Current input signal	4 mA ... 20 mA
Input resistance current input	< 170 Ω

#### Analog output

Output name	Current output
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### Technical data

#### Analog output

Load/output load current output	700 Ω (at $U_B = 24 \text{ V}$ , $R_B = [U_B - 10 \text{ V}] / 20 \text{ mA}$ )
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#### Digital input

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 output

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

#### General

Mounting position	any
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Housing material	Polyamide PA non-reinforced
Conformance	CE-compliant
IECEX	Ex nL IIC T5
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D

#### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3

#### Standards and Regulations

Conformance	CE-compliant
ATEX	# II 3 G EEx nL IIC
IECEX	Ex nL IIC T5
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D

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## Classifications

eCl@ss

eCl@ss 4.0	27250312
eCl@ss 4.1	27250312
eCl@ss 5.0	27242208
eCl@ss 5.1	27242208
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208
eCl@ss 8.0	27242602

## ETIM

ETIM 2.0	EC000310
ETIM 3.0	EC000310
ETIM 4.0	EC000310
ETIM 5.0	EC001597

## UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	43223108
UNSPSC 11	39121008
UNSPSC 12.01	43223108
UNSPSC 13.2	43223108

## Drawings

Block diagram

