

# NLC-IO-2RTD/UTH-4QTP-01A - I/O extension module



2701671

<https://www.phoenixcontact.com/us/products/2701671>

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I/O extension module for use with Nanoline base unit. Equipped with 2 temperature inputs and 4 PNP transistor outputs.

## Commercial data

Item number	2701671
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR11
Product key	DRACAC
GTIN	4046356774703
Weight per piece (including packing)	185.1 g
Weight per piece (excluding packing)	185.1 g
Customs tariff number	85389099
Country of origin	IN

## Technical data

### Product properties

Product type	Extension module
Mounting position	Attaches to DB-9 connector on right-side of base unit

### Electrical properties

Supply: Module electronics

Supply voltage	24 V
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### Input data

Analog:

Description of the input	Inputs for thermocouples or linear voltage
Number of inputs	2
Connection method	Individual wires
Connection technology	2 or 3-wire (shielded)
Sensor types (RTD) that can be used	Pt 100, Pt 1000
Sensor types that can be used (TC)	B, E, J, K, N, R, S, T
Protective circuit	Thermal fuse

### Output data

Digital:

Output description	PNP outputs
Connection method	Screw connection
Number of outputs	4
Protective circuit	Thermal fuse
Maximum output current per channel	0.5 A
Maximum output current per module / terminal block	2 A
Nominal output voltage	24 V DC
Nominal load, inductive	7.2 VA (1.2 H, 80 Ω)
Nominal load, lamp	7.2 W
Nominal load, ohmic	7.2 W (80 Ω)
Maximum operating frequency with ohmic nominal load	100 Hz

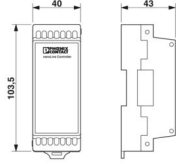
### Connection data

Connection method	Screw connection
Conductor cross-section, rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section, flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	12 ... 24

### Dimensions

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Dimensional drawing		
Width		40 mm
Height		103.5 mm
Depth		43 mm

## Material specifications

Color	white
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 60 °C
Degree of protection	IP20
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	0 % ... 90 % (at 25 °C)

## Mounting

Mounting type	DIN rail mounting
Mounting position	Attaches to DB-9 connector on right-side of base unit

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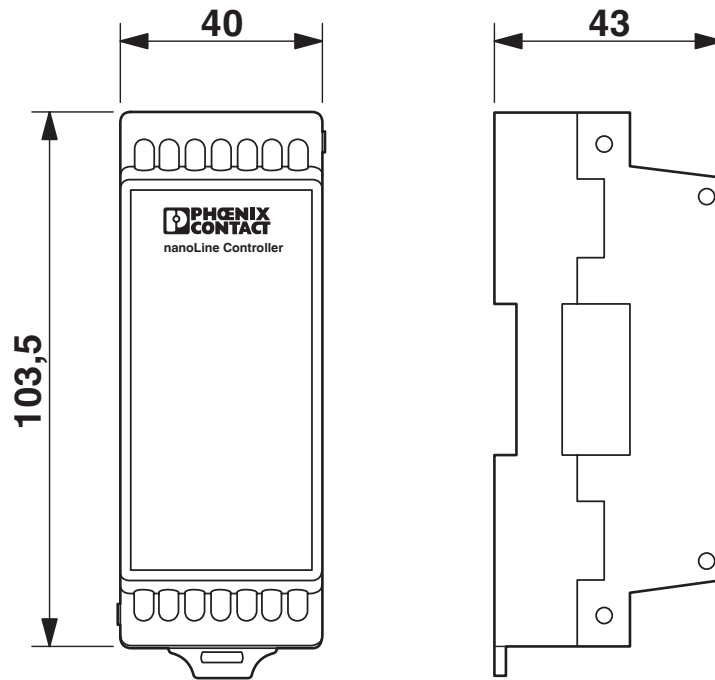


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## Drawings

Dimensional drawing



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## Approvals

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**UL Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: E238705



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## Classifications

### ECLASS

ECLASS-13.0

27242216

### ETIM

ETIM 9.0

EC001417

### UNSPSC

UNSPSC 21.0

39122300

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	9cefdce0-53b9-4352-9d0f-bdc1745b3feb

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