

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



2701671

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

2701671

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

## 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
----------------	------

### 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

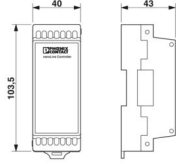
### Connection data

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

2701671

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

Dimensional drawing		
Width		40 mm
Height		103.5 mm
Depth		43 mm

## Material specifications

Color	white
-------	-------

## 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

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

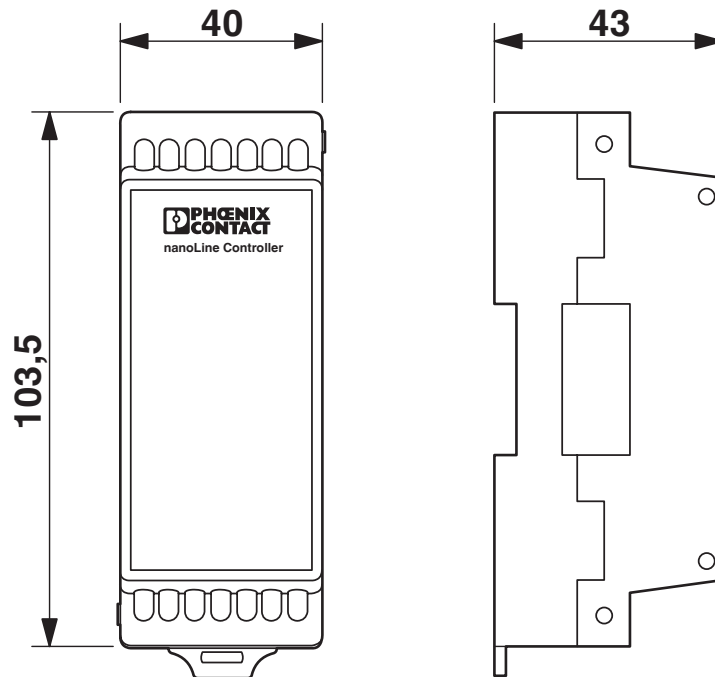


2701671

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

## Drawings

Dimensional drawing



2701671

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

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2701671>



**UL Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: E238705

2701671

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

## Classifications

### ECLASS

ECLASS-13.0

27242216

### ETIM

ETIM 9.0

EC001417

### UNSPSC

UNSPSC 21.0

39122300

2701671

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

## 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

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

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