

NLC-IO-2AI-2AO-01 - I/O extension module



2701040

<https://www.phoenixcontact.com/in/products/2701040>

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I/O extension module for use with Nanoline base unit. Equipped with 2 analog input (0...10 V DC, -10...+10 V DC, 0/4...20 mA) and 2 analog output (0...10 V DC, 0/4...20 mA) channels. A maximum of three I/O extension modules can be attached to a base unit.

Commercial Data

| | |
|--------------------------------------|---------------------|
| Item number | 2701040 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales Key | DRA |
| Product Key | DRACAC |
| Catalog Page | Page 466 (C-8-2015) |
| GTIN | 4046356629522 |
| Weight per Piece (including packing) | 206.4 g |
| Weight per Piece (excluding packing) | 199 g |
| Customs tariff number | 85389099 |
| Country of origin | DE |

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Technical Data

Product properties

| | |
|--------------|------------------|
| Product type | Extension module |
|--------------|------------------|

Electrical properties

Supply: Module electronics

| | |
|----------------------|---------------------|
| Supply voltage | 24 V DC |
| Supply voltage range | 18 V DC ... 24 V DC |
| Supply current | 100 mA |

Input data

Analog

| | |
|-----------------------------------|---|
| Input name | Analog inputs |
| Description of the input | Single ended |
| Number of inputs | 2 (Voltage or current can be chosen separately) |
| A/D converter resolution | 12 bit |
| Connection method | Individual wires |
| Connection technology | Screw connection |
| Current input signal | 0 mA ... 20 mA 4 mA ... 20 mA |
| Input resistance current input | 120 Ω |
| Voltage input signal | 0 V ... 10 V -10 V ... 10 V |
| Input resistance of voltage input | 200 kΩ |
| Limit frequency (3 dB) | 5 Hz |

Output data

Analog

| | |
|---------------------------------|----------------------------------|
| Output name | Analog outputs |
| Connection method | Individual wires |
| Connection technology | Screw connection |
| Number of outputs | 2 |
| D/A converter resolution | 12 bit |
| Current output signal | 0 mA ... 20 mA 4 mA ... 20 mA |
| Load/output load current output | 500 Ω |
| Voltage output signal | 0 V ... 10 V |
| Load/output load voltage output | 1000 Ω |
| Precision | 1 % |

Connection data

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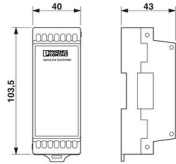


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| | |
|-------------------|------------------|
| Connection method | Screw connection |
|-------------------|------------------|

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 40 mm |
| Height | 103.5 mm |
| Depth | 43 mm |

Material specifications

| | |
|-------|-------|
| Color | black |
|-------|-------|

Environmental and real-life conditions

Ambient conditions

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

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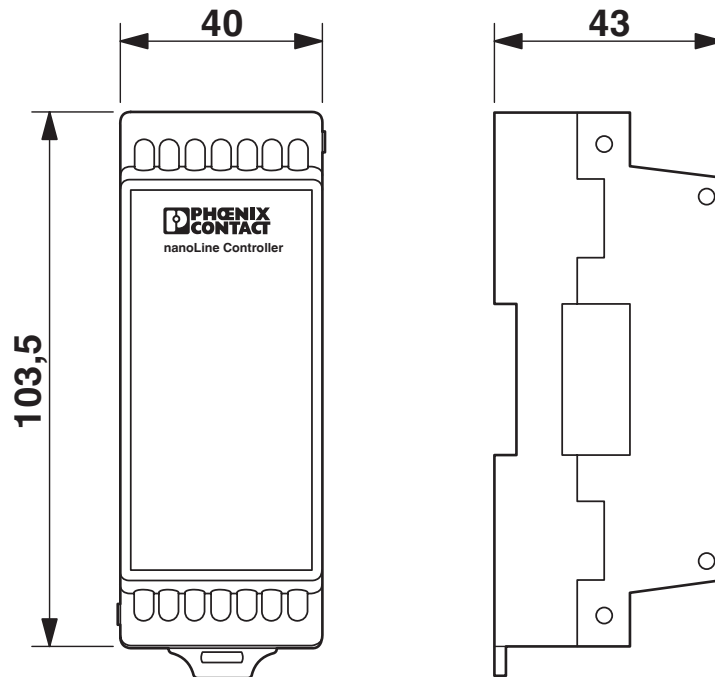
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Drawings

Dimensional drawing



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Approvals



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705



EAC

Approval ID: TR_TS_D_01831-19

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27242216 |
| ECLASS-12.0 | 27242216 |
| ECLASS-13.0 | 27242216 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC001417 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39122300 |
|-------------|----------|

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Environmental Product Compliance

| | |
|------------|--|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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