

## base unit - NLC-055-012D-08I-04QRD-05A - 2700486

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12 V DC Nanoline base unit. Equipped with 8 digital inputs, 2 analog (0...10 V) inputs and 4 relay output channels. Additional I/O channels can be added using a maximum of three I/O extension modules. Optional communication modules provide network or serial connectivity. Optional Operator Panel provides user interface. Programming is via nanoNavigator.



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 pc      |
| Weight per Piece (excluding packing) | 360.0 GRM |
| Custom tariff number                 | 85371099  |
| Country of origin                    | India     |

### Technical data

#### Dimensions

|        |          |
|--------|----------|
| Width  | 80.5 mm  |
| Height | 103.5 mm |
| Depth  | 60 mm    |

#### Ambient conditions

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

#### Supply

|                             |   |
|-----------------------------|---|
| Power supply connection     | Screw connection  |
| Supply voltage              | 12 V DC (Power available to the I/O and Communications modules) |
| Supply voltage range        | 9 V DC ... 15 V DC  |
| Max. current consumption    | 400 mA  |
| Typical current consumption | 250 mA  |

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### Technical data

#### Software interfaces

|                  |                          |
|------------------|--------------------------|
| Programming tool | nanoNavigator 3 or above |
|------------------|--------------------------|

#### Digital inputs

|                                   |                           |
|-----------------------------------|---------------------------|
| Input name                        | Digital inputs            |
| Description of the input          | EN 61131-2 type 1 NPN/PNP |
| Connection method                 | Screw connection          |
| Number of inputs                  | 8                         |
| Typical response time             | 20 ms (on)<br>40 µs (off) |
| Input voltage range "0" signal    | 0 V DC ... 5 V DC         |
| Input voltage range "1" signal    | 10.2 V DC ... 14.4 V DC   |
| Nominal input current at $U_{IN}$ | 3 mA DC (On)              |

#### Digital outputs

|  |                              |
|--|------------------------------|
| Output name  | Relay output                 |
| Output description                                 | Relay output                 |
| Connection method                                  | Screw connection             |
| Number of outputs                                  | 4                            |
| Protective circuit                                 | External protection required |
| Nominal output voltage                             | 24 V DC                      |
| Maximum output current per channel                 | 5 A                          |
| Maximum output current per module / terminal block | 20 A                         |
| Maximum output current per module                  | 5 A                          |
| Nominal load, ohmic                                | 600 W (@ 24 ohms)            |

#### General

|               |          |
|---------------|----------|
| Mounting type | DIN rail |
|---------------|----------|

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27240101 |
| eCl@ss 4.1 | 27240101 |
| eCl@ss 5.0 | 27242216 |
| eCl@ss 5.1 | 27242216 |
| eCl@ss 6.0 | 27242216 |
| eCl@ss 7.0 | 27242216 |
| eCl@ss 8.0 | 27242216 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001417 |
| ETIM 4.0 | EC001417 |
| ETIM 5.0 | EC001417 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 43201404 |

### Approvals

#### Approvals

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Approvals

UL Listed

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Ex Approvals

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Approvals submitted

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#### Approval details

|   |
|---|
| UL Listed  |
|---|

### Drawings

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Dimensioned drawing

