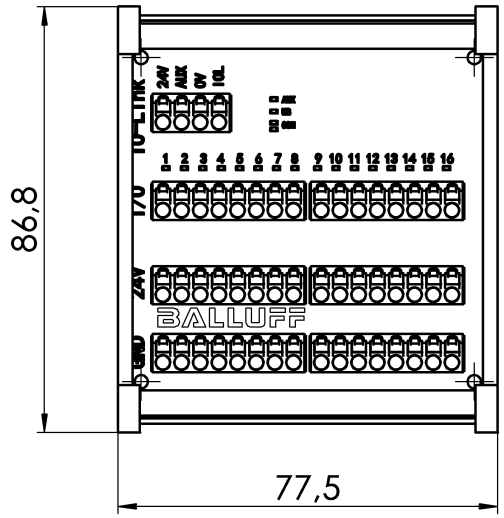
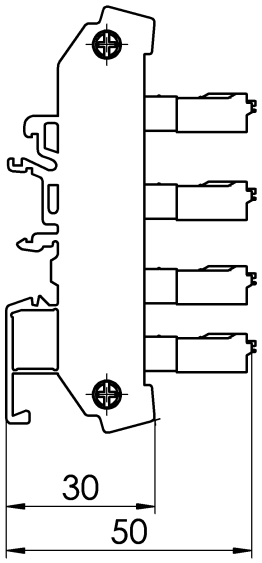
I/O modules

# BNI IOL-311-012-K035
Order Code: BNI00KA




R-R-BF0-BF-BNIHUB

## Basic features

| | |
|---|---|
| Approval/Conformity | CE<br>UKCA<br>WEEE |
| Scope of delivery | IO-Link-Device<br>Spring terminals<br>Installation guide |

## Display/Operation

| | |
|---|---|
| Actuator supply UA, indicator | LED green |
| IO-Link communication indicator | LED green, flashing |
| Module supply indicator | LED green |
| Sensor supply US indicator | LED green |
| Switching function display | LED yellow |

## Electrical connection

| | |
|---|---|
| Connection (COM 1) | Spring terminal, 4-pin |

## Electrical data

| | |
|---|---|
| Configurable inputs/outputs | yes |
| Current consumption without load, max. | 70 mA |
| Current draw max. | 4 A |
| Current sum UA, actuator | 4 A |
| Current sum US, sensor | 2 A |
| IO-Link function | Device |
| IO-Link ports, number | 1 |
| Operating voltage Ub | 18...30.2 VDC |
| Rated operating voltage Ue DC | 24 V |
| Switching current | 16x 500 mA |

## Environmental conditions

| | |
|---|---|
| Ambient temperature | -20...50 °C |
| IP rating | IP20 |
| Storage temperature | -25...70 °C |

## Functional safety

| | |
|---|---|
| MTTF (40 °C) | 159 a |

# BNI IOL-311-012-K035
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## IO-Link

| | |
|---|---|
| **IO-Link Profil IDs** | N/A |

## Interface

| | |
|---|---|
| **Cycle time min.** | 0.6 ms |
| **Digital inputs** | 16x NPN |
| **Digital outputs** | 16x NPN |
| **IO-Link version** | 1.1 |
| **Interface** | IO-Link 1.1 |
| **Process data IN** | 2 bytes |
| **Process data OUT** | 2 bytes |
| **Process data cycle min.** | 0.6 ms |
| **Transfer rate** | COM3 (230.4 kBaud) |

## Material

| | |
|---|---|
| **Housing material** | PA 6.6 |
| **Housing shield** | no |

## Mechanical data

| | |
|---|---|
| **Dimension** | 77.5 x 50.9 x 86.8 mm |
| **Mounting part** | DIN rail mount |
| **Weight** | 158 g |

## Remarks

max. cable length between IO-Link Hub and Sensor/Actuator: 25 meters

See short guide

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.