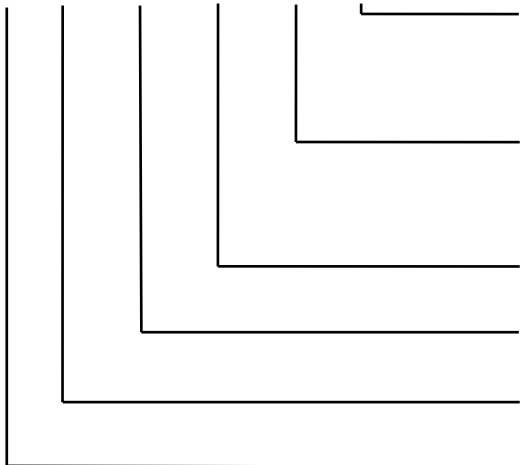


BNI IOL-302-S02-Z012-C11



Customizing (optional)

C11 - base types: IO-Link based execution
 Deviation: automatically configurable port
 Direction of inputs and outputs

Mechanical version

Die-cast zinc housing, matte nickel plated
 Bus connection and power supply 1xM12 external thread
 IO-Ports: 8xM12, female, 5-poles

Variants

S02 - ports with single channel monitoring, IO-Link V1.1

Function

302 - 16 configurable I/O


Communication protocol

IOL – IO-Link

Basic Type Designation

BNI - Balluff Network Interface

General information

| | | |
|---|---------------------|---------|
|  | File | E319845 |
| | Enclosure rating | Type 1 |
| | Ambient temperature | 45° C |

Attention:

Please clean only with dry cloth or cloth dampened only with water!

The power supply has to be an isolated type or SELV type.

Power Ratings

| Model | Nominal Rating Voltage | Type | Current Ratings |
|--------------------------|------------------------|----------------|---|
| BNI IOL-XXX-XXX-X012 | 24 V dc | Power Input | 50 mA maximum consumption 1.6 A including all output loads |
| BNI IOL-XXX-XXX-X012 | 24 V dc | Power Output | 1.4 A maximum |
| BNI IOL-302-XXX-Z012-C11 | 24 V dc | Digital Input | 30 mA max/point |
| BNI IOL-302-XXX-Z012-C11 | 24 V dc | Digital Output | 0.1 A/point Pilot Duty 0.4 A/point Resistive/General use 1.4 A or less per unit |

Cord Sizes

Communication/Power In cord assembly – Listed (CYJV/7) or R/C (CYJV2/8) cord assembly with threaded male A-coded M12 connector rated 24 V minimum, 2 A minimum.

R/C (AVLV2) marked or specified in UL style page as suitable for external interconnection 28 AWG minimum, 300 V minimum cord.

In/Out cord assembly – Listed (CYJV/7) or R/C (CYJV2/8) cord assembly with threaded male A-coded M12 connector rated 24 V minimum, 2 A minimum.

R/C (AVLV2) marked or specified in UL style page as suitable for external interconnection cord, rated 300 V minimum, 24 AWG minimum unless marked with maximum load current and overcurrent protection for the cord in accordance with the table below.

| Cord conductor size, AWG | Overcurrent protection maximum ampere rating, Amps | Maximum load, Amps |
|--------------------------|--|--------------------|
| 14 | 12 | 9 |
| 16 | 8 | 8 |
| 18 | 5.6 | 5.6 |
| 20 | 5 | 4 |
| 22 | 3 | 2.4 |
| 24 | 2 | 1.6 |
| 26 | 1 | 0.8 |
| 28 | 0.8 | 0.6 |
| 30 | 0.5 | 0.4 |

Additional information can be found in the corresponding manual on our webpage <http://www.balluff.com>

| | | | |
|--------------|--|--|--------------------|
| Balluff GmbH | Schurwaldstrasse 9 73765 Neuhausen a.d.F. Germany | Tel. +49 7158 173-0 Fax +49 7158 5010 | balluff@balluff.de |
|--------------|--|--|--------------------|