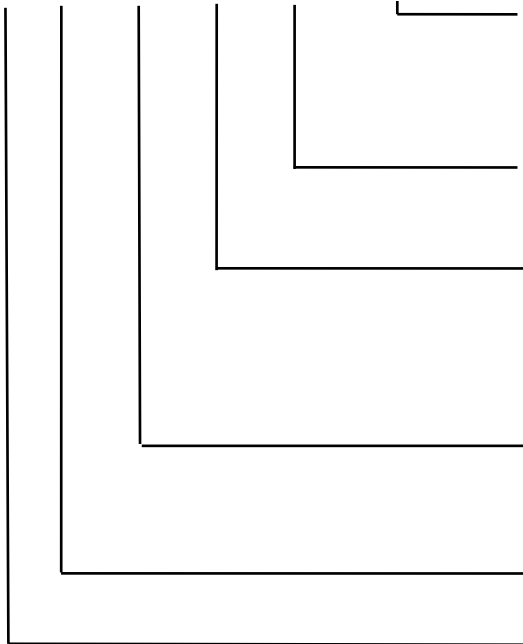


BNI IOL-XXX-XXX-Z013-XXX



Customizing

C01 - base types: IO-Link based execution
deviation: plus 2 byte process data (read/write) for customer data

Mechanical version

Die-cast zinc housing, matte nickel plated
Bus connection and power supply 1xM12 external thread
O-ports: 8xM12, female, 5-poles, internal thread
Supply voltage segment 1&2: 1x7/8" external thread

Variants

000 - basic version without additional functions IO-Link V1.0
002 - basic version without additional functions IO-Link V1.1 sensor-/actor hubs with expansion port
S01 - ports with single channel monitoring, IO-Link V1.0
S02 - ports with single channel monitoring, IO-Link V1.1

Function

252 - 8 outputs
256 - 16 outputs
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!

Power Ratings

| Model | Nominal Rating Voltage | Type | Current Ratings |
|---|------------------------|----------------|---|
| All | 24 Vdc | Power Input | 130 mA maximum consumption 9 A including all output loads |
| All | 24 Vdc | Power Output | 8.8 A maximum |
| BNI XXX-302-XXX-Z013 | 24 Vdc | Digital Input | 30 mA max./point |
| BNI XXX-252-XXX-Z013; BNI XXX-256-XXX-Z013; BNI XXX-302-XXX-Z013; | 24 Vdc | Digital Output | 0.5 A/point Pilot Duty 2 A/point Resistive/General use 8.8 A or less per unit |

Cord Sizes

| 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>

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|--------------|--|--|--------------------|
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