

**BNI XXX-XXX-XXX-Z015**

**Mechanical version**

Z015 - Material: Die-cast zinc housing; Uplink: 2 x M12x1; internal thread Power: 7/8" external thread, 7/8" internal thread; Sensor ports: 8 x M12x1 internal thread

**Variants**

0XX - No display, alternative cover, 2-port switch  
1XX - Display version, 2-port switch

**Function**

104 - 16 PNP Inputs  
202 - 8 Outputs  
206 - 16 Outputs  
302 - 16 Configurable I/O  
305 - 8 PNP Inputs, 8 Outputs  
501 - 16 PNP Inputs, 8 IO-Link Master Channels  
502 - 12 PNP Configurable I/O, 4 IO-Link Master Channels  
508 - 8 PNP Configurable I/O, 8 IO-Link Master Channels


**Communication protocol**

EIP - EtherNet IP  
PNT - ProfiNET  
ECT - EtherCat  
CIB - CC-Link IE Field Basic

**Basic Type Designation**

BNI - Balluff Network Interface

**General information**

|  |                     |                       |
|--|---------------------|-----------------------|
|  | File                | E319845 Vol. 1 Sec. 1 |
|  | 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<br>9 A including all output loads                        |
| All  | 24 Vdc                 | Power Output   | 8.8 A maximum   |
| BNI XXX-104-XXX-Z015;<br>BNI XXX-302-XXX-Z015;<br>BNI XXX-305-XXX-Z015;<br>BNI XXX-501-XXX-Z015;<br>BNI XXX-502-XXX-Z015;<br>BNI XXX-508-XXX-Z015; | 24 Vdc                 | Digital Input  | 30 mA max./point  |
| BNI XXX-202-XXX-Z015;<br>BNI XXX-206-XXX-Z015;<br>BNI XXX-302-XXX-Z015;<br>BNI XXX-305-XXX-Z015;<br>BNI XXX-502-XXX-Z015;<br>BNI XXX-508-XXX-Z015; | 24 Vdc                 | Digital Output | 0.5 A/point Pilot Duty<br>2 A/point Resistive/General use<br>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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