

**BNI XXX-XXX-005-Z040**

**Mechanical version**

Z040 - Material: Die-cast zinc housing, matt nickel plated  
Bus connection: 2x M12 internal thread  
Power supply: 7/8 external thread  
Ports: 4x M12 internal thread

**Variants**

005 - 2-Port-Switch

**Function**

507 - 4 IO-Link Ports Class A  
527 - 4 IO-Link Ports Class B


**Communication protocol**

EIP - EtherNet IP  
PNT - ProfiNET  
ECT - EtherCat

**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 5.1 A including all output loads
BNI XXX-507-XXX-Z040; BNI XXX-527-XXX-Z040	24 Vdc	Digital Input	30 mA max./point
BNI XXX-507-XXX-Z040; BNI XXX-527-XXX-Z040	24 Vdc	Digital Output	0.5 A/point Pilot Duty 1 A/point Resistive/General use 5 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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