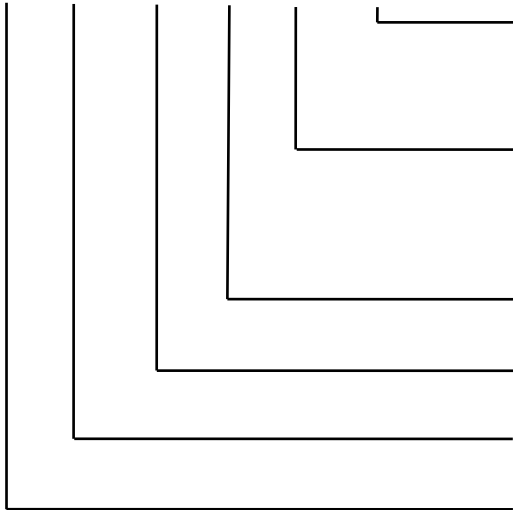


BNI PNT-50X-105-Z031-00X



Customizing (optional)

- - RJ45 Connector
- 002 – 2x Fiber optic
- 004 – 1x Fiber optic and 1x RJ45 Connector

Mechanical version

Z031 – Die-cast zinc housing
 Data transmission: Push/Pull connection
 Power connection: Push/Pull connection
 Sensor connections: 8x M12 female thread

Variants

105 - Display version, 2-port switch

Function

508 - IP 67 IO-Link Master-Module, 8 IO-Link Ports


Communication protocol

PNT - ProfiNET

Basic Type Designation

BNI - Balluff Network Interface

General information

 Industrial Control Equipment	File	E319845 Vol. 1 Sec. 11
	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 PNT-508-105-Z031-XXX	24 Vdc	Power Input	200 mA maximum consumption 10 A including all output loads
	24 Vdc	Power Output	10 A maximum
	24 Vdc	Digital Input	30 mA max/point
	24 Vdc	Digital Output / Class A IO-Link port	0.5 A/point Pilot Duty 2 A/point Resistive/General use 10 A maximum per unit

Cord Sizes

In / Out cord assembly: Listed or R/C (CYJV2) 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 Table below

Power In & Out cord assembly: Constructed of the components described below.

Connector - R/C (ECBT2/8) model VS-PPC-C2-MSTB-MNNA-P13-A5-SP by Phoenix Contact (male 5-pin rated, 24 V, 16 A, 14 AWG, 65°C). Connector is provided with a push-pull mechanism that latches to the housing flanges. Provided with an integral cord grip.

Cord - Listed S, SJ, SO, ST, SV, or R/C (AVLV2) marked or specified in style page as suitable for external interconnection rated 300 V minimum, 14 AWG (2 to 2.2 mm²) conductors, with an external jacket diameter of 9 to 13 mm.

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