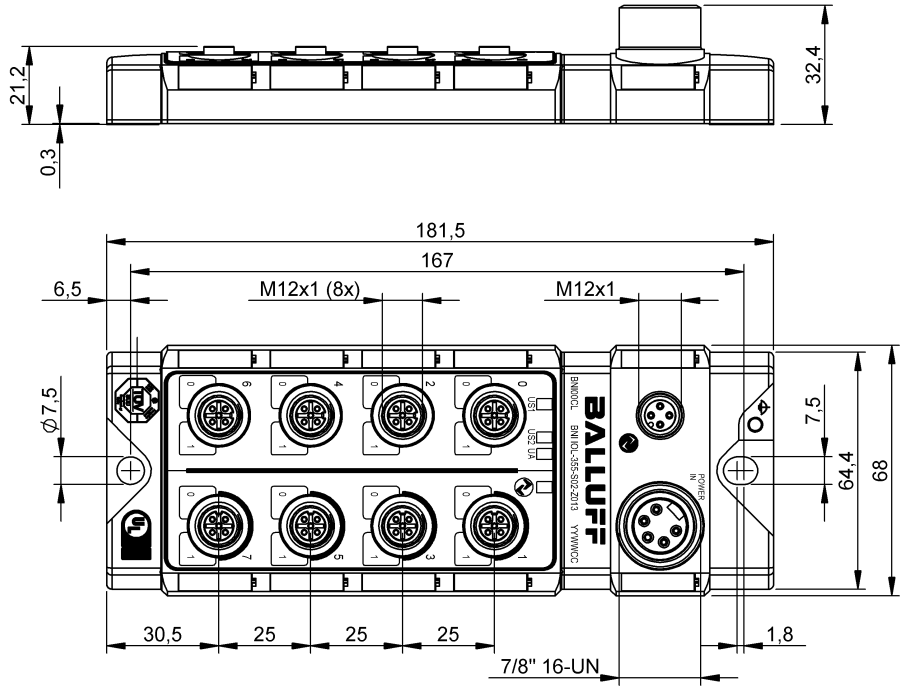
BNI IOL-355-S02-Z013
Order Code: BNI00CL



Basic features

Approval/Conformity	CE UKCA Safety cULus WEEE
Scope of delivery	IO-Link-Device Part label (20x) Port cover M12 (4x) Grounding strap Lock washer M4x6 screw Short guide

Electrical connection

Connection (COM 1)	M12x1-Male, 4-pin, A-coded
Connection (supply voltage IN)	7/8"-Male, 5-pin
Connection slots	8x M12x1-Female, 5-pin, A-coded

Electrical data

Burst	3A/4B
ESD	3DS
Operating voltage Ub	18...30.2 VDC
Output current max.	2 A
Total current max.	10.2 A

Environmental conditions

Ambient temperature	-5...55 °C
EN 60068-2-27, Shock	100 g, 6 ms
EN 60068-2-6, Vibration	15 g, 10…500 Hz
IP rating	IP67, when threaded in
Storage temperature	-25...70 °C

Safe Networking

BNI IOL-355-S02-Z013
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Functional safety

Device type (VDMA 66413)	2
MTTFd	300 a
Mission Time	20 a
PFHd (EN 62061)	12.5 E-9 1/h
Performance Level	to d
SIL (IEC 61508)	2
SIL CL (EN 62061)	2
Safety category (EN ISO 13849-1)	3
Type of the subsystem (EN/IEC 61508-2)	B

IO-Link

IO-Link Profil IDs	N/A

Interface

Digital inputs	8x PNP, Type 3
Digital outputs	8x PNP
Interface	IO-Link 1.1
Transfer rate	COM3 (230.4 kBaud)

Material

Housing material	Zinc, Die casting, nickel-plated

Mechanical data

Dimension	68 x 32.4 x 181.5 mm

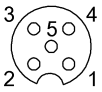
Range/Distance

Response time max.	6 ms

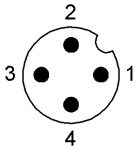
Remarks

see Manual

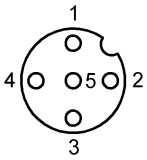
Connector Drawings



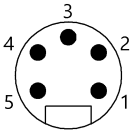
Output Ports
PIN 1: not used
PIN 2: Output 2
PIN 3: GND
PIN 4: Output 1
PIN 5: Function ground



IO-Link port
PIN 1: +24 V IO-Link
PIN 2: n.c.
PIN 3: 0 V IO-Link (GND)
PIN 4: C/Q, IO-Link DC-Channel



Input Ports
PIN 1: +24V, 300mA
PIN 2: Input 2
PIN 3: 0V
PIN 4: Input 1
PIN 5: n.c.



Power Supplies
PIN 1: GND, UA - segment 2
PIN 2: GND, US - segment 1
PIN 3: Function ground
PIN 4: +24V, US - segment 1
PIN 5: +24V, UA - segment 2