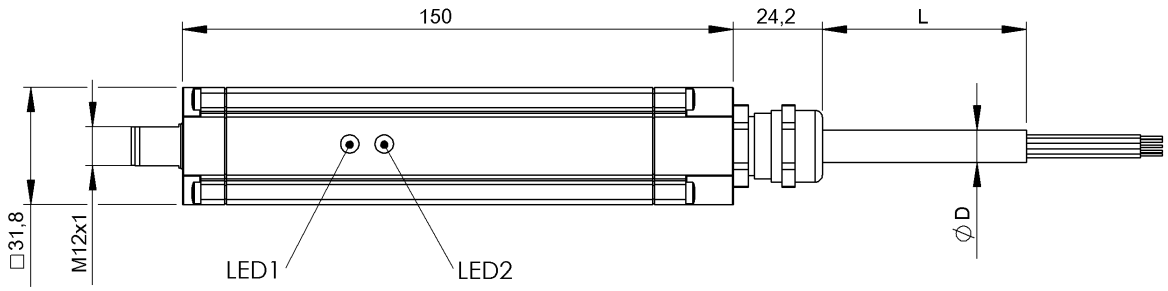
I/O modules

BNI IOL-771-000-A027
Order Code: BNI005Z



Basic features

Approval/Conformity	CE EAC WEEE
Scope of delivery	Short guide

Display/Operation

Actuator supply UA, indicator	LED green
IO-Link communication indicator	LED green
Module supply indicator	LED green
Sensor supply US indicator	LED green

Electrical connection

Cable diameter D	10 mm
Cable length L	0.5 m
Conductor cross-section	0.34 mm²
Connection (COM 1)	M12x1-Male, 5-pin, A-coded
Connection slots	open cable end-Leads
Connection type	0.50 m, PUR
Number of conductors	18

Electrical data

Configurable inputs/outputs	yes
Current consumption without load, max.	60 mA
Current sum UA, actuator	4.0 A
Current sum US, sensor	4.0 A
IO-Link function	Device
IO-Link ports, number	1
Operating voltage Ub	18...30.2 VDC
Rated operating voltage Ue DC	24 V
Switching current	256x 400 mA

Environmental conditions

Ambient temperature	-5...55 °C
IP rating	IP67, when threaded in
Storage temperature	-25...70 °C

Functional safety

MTTF (40 °C)	187 a

Interface

Additional function	Diagnostics (under-current, coil wire break) Output voltage on Pin 2
Cycle time min.	4 ms
Digital inputs	16x PNP, Type 3
Digital outputs	16x PNP
IO-Link version	1.1
Interface	IO-Link 1.1
Process data IN	2 bytes
Process data OUT	2 bytes
Process data cycle min.	4 ms
Transfer rate	COM2 (38.4 kBaud)

Material

Housing material	Aluminium
Housing shield	no
Material jacket	PUR
Surface protection	Anodized

Mechanical data

Dimension	31.8 x 31.8 x 190 mm
Weight	425 g

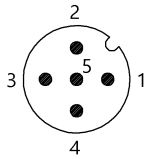
Remarks

See short guide

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings



PIN 1: +24V, US
PIN 2: +24V, UA
PIN 3: GND
PIN 4: C/Q, IO-Link
PIN 5: n.c.