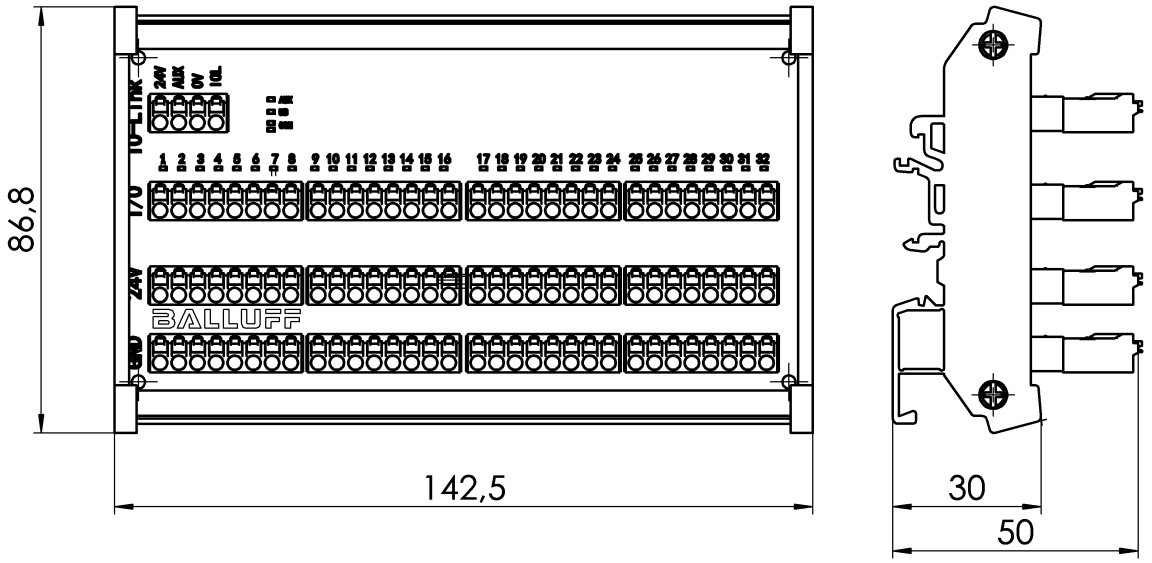
I/O modules

BNI IOL-308-012-K094
Order Code: BNI00L0



R-R-BF0-BF-BNIHUB

Basic features

Approval/Conformity	CE UKCA WEEE cULus KC
Scope of delivery	IO-Link-Device Spring terminals Installation guide

Display/Operation

Actuator supply UA, indicator	LED green
IO-Link communication indicator	LED green, flashing
Module supply indicator	LED green
Sensor supply US indicator	LED green
Switching function display	LED yellow

Electrical connection

Connection (COM 1)	Spring terminal, 4-pin

Electrical data

Configurable inputs/outputs	yes
Current consumption without load, max.	120 mA
Current draw max.	4 A
Current sum UA, actuator	4 A
Current sum US, sensor	4 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	32x 500 mA

Environmental conditions

Ambient temperature	-20...50 °C
IP rating	IP20
Storage temperature	-25...70 °C

Functional safety

MTTF (40 °C)	142 a

IO-Link

IO-Link Profil IDs	N/A

Interface

Cycle time min.	1 ms
Digital inputs	32x PNP, Type 3
Digital outputs	32x PNP
IO-Link version	1.1
Interface	IO-Link 1.1
Process data IN	4 bytes
Process data OUT	4 bytes
Process data cycle min.	1 ms
Transfer rate	COM3 (230.4 kBaud)

Material

Housing material	PA 6.6
Housing shield	no

Mechanical data

Dimension	142.5 x 50.9 x 86.8 mm
Mounting part	DIN rail mount
Weight	275 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.