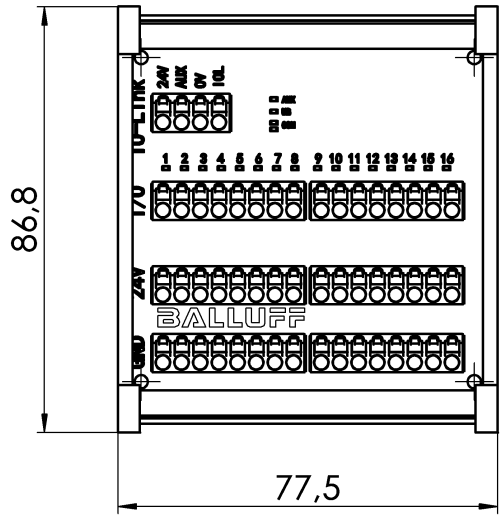
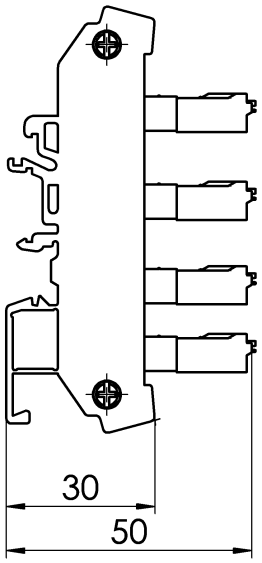
I/O modules

BNI IOL-302-012-K035
Order Code: BNI00KZ





R-R-BF0-BF-BNIHUB

Basic features

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

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.	70 mA
Current draw max.	4 A
Current sum UA, actuator	4 A
Current sum US, sensor	2 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	16x 500 mA

Environmental conditions

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

Functional safety

MTTF (40 °C)	202 a

IO-Link

IO-Link Profil IDs	N/A

Interface

Cycle time min.	0.6 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.	0.6 ms
Transfer rate	COM3 (230.4 kBaud)

Material

Housing material	PA 6.6
Housing shield	no

Mechanical data

Dimension	77.5 x 50.9 x 86.8 mm
Mounting part	DIN rail mount
Weight	213 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.