

Basic features

Approval/Conformity	CE cULus EAC WEEE
Component	Remote
Function	IO-Link signal transmission
Use	for inductive coupler base BIC0070 for inductive coupler base BIC0072

Display/Operation

Function indicator	yes
Power indicator	yes

Electrical connection

Connection 1	M12x1-Female, 5-pin
Connection 2	5-pin
Short-circuit protection	yes

Electrical data

Output current max.	5 A / 0.05 ms
Output voltage	24 VDC
Rated output current	500 mA
Signal type	bi-directional
Type of master port	A

Environmental conditions

Ambient temperature	-5...65 °C
Interference immunity	EN 61000-4-2/3/4/5/6
Protection degree	IP67
Storage temperature	-25...70 °C

Functional safety

MTTF (40 °C)	308 a
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Material

Housing material	PBTP
Material sensing surface	PBTP

Inductive Couplers
BIC 2B0-ITA50-Q40KFU-SM4A5A
Order Code: BIC0071

BALLUFF

Mechanical data

Dimension	40 mm x 40 mm x 62 cm
Frame type	Device dependent
Installation	non-flush
Offset	±5 mm
Tightening torque max.	40 Nm
Tightening torque pigtail	0.6 Nm
Weight	150 g

Output/Interface

Additive cycle time	Device + 2.0 ms
IO-Link version	1.1
Interface	IO-Link 1.1
Process data IN	0...32 bytes
Process data OUT	0...32 bytes
Process data cycle min.	2 ms
SIO mode	yes
Transfer rate	COM2 (38.4 kBaud)

Range/Distance

Range	0...5 mm
Transmission distance	0...5 mm

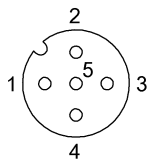
Remarks

For additional information, refer to user's guide.
Order accessories separately.

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



IO-Link

PIN 1: +24V

PIN 2: Output

PIN 3: GND

PIN 4: C/Q, IO-Link DC-Channel

PIN 5: n.c.