

Basic features

Approval/Conformity	CE EAC WEEE
Component	Remote
Function	Uni IO-Link
Use	for inductive coupler base BIC0053

Functional safety

MTTF (40 °C)	88 a
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Material

Housing material	Nickel-plated brass, coated
Housing material, surface protection	coated
Material sensing surface	PC

Display/Operation

Function indicator	yes
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Electrical connection

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

Electrical data

Output voltage	24 VDC
Rated output current	500 mA
Ripple Ua max.	1.2 V
Transmission power	12 W
Type of master port	A

Environmental conditions

Ambient temperature	-5...55 °C
IP rating	IP67
Interference immunity	EN 61000-4-2/3/4/5/6
Storage temperature	-25...75 °C

Mechanical data

Dimension	Ø 30 x 107.5 mm
Frame type	1
Installation	non-flush
Offset	±4 mm
Size	M30x1.5
Tightening torque max.	70 Nm
Tightening torque pigtail	0.6 Nm
Weight	160 g

Output/Interface

Cycle time min.	3 ms
IO-Link version	1
Interface	IO-Link 1.0
SIO mode	no
Transfer rate	COM2 (38.4 kBaud)

Range/Distance

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

Inductive Couplers

BIC 2I0-IAA50-M30MI3-SM4A5A

Order Code: BIC0054

BALLUFF

Remarks

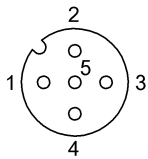
For additional information, refer to user's guide.

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 3: 0V

PIN 4: IO-Link