

**Basic features**

<b>Approval/Conformity</b>	CE EAC WEEE
<b>Component</b>	Base
<b>Function</b>	Uni IO-Link
<b>Use</b>	for inductive coupler remote BIC005C

**Display/Operation**

<b>Active transmission indicator</b>	yes
<b>Function indicator</b>	yes
<b>InZone indicator</b>	yes
<b>Power indicator</b>	yes

**Electrical connection**

<b>Connection 1</b>	M12x1-Male, 4-pin
<b>Connection 2</b>	4-pin
<b>Short-circuit protection</b>	yes

**Electrical data**

<b>Rated operating current Ie</b>	1000 mA
<b>Rated operating voltage Ue DC</b>	24 V
<b>Ripple max. (% of Ue)</b>	10 %
<b>Signal type</b>	unidirectional
<b>Transmission power</b>	12 W
<b>Type of master port</b>	A

**Environmental conditions**

<b>Ambient temperature</b>	-5...55 °C
<b>Interference immunity</b>	EN 61000-4-2/3/4/5/6
<b>Protection degree</b>	IP67
<b>Storage temperature</b>	-25...70 °C

**Functional safety**

<b>MTTF (40 °C)</b>	181 a
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**Material**

<b>Housing material</b>	PBT
<b>Material sensing surface</b>	PBTP

Inductive Couplers  
**BIC 1I0-I2A50-Q40KFU-SM4A4A**  
Order Code: BIC005A

**BALLUFF**

**Mechanical data**

Dimension	40 x 40 x 63 mm
Frame type	1
Installation	non-flush
Offset	±5 mm
Tightening torque max.	40 Nm
Tightening torque pigtail	0.6 Nm
Weight	150 g

**Output/Interface**

Cycle time min.	3 ms
IO-Link version	1
Interface	IO-Link 1.0
Process data IN	4 bytes
Process data OUT	0 bytes
Process data cycle min.	12 ms
SIO mode	no
Transfer rate	COM2 (38.4 kBaud)

**Range/Distance**

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

**Remarks**

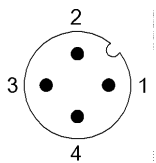
For additional information, refer to user's guide.

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: n.c.

PIN 3: GND

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