

**Basic features**

Approval/Conformity	CE UKCA WEEE cULus
Component	Base
Function	IO-Link signal transmission
Use	for inductive coupler remote BIC007H

**Display/Operation**

Active transmission indicator	yes
Function indicator	yes
Power indicator	yes

**Electrical connection**

Connection	M12x1-Male, 4-pin
Short-circuit protection	yes

**Electrical data**

RFI	3A
Rated operating current I <sub>e</sub>	1.9 A
Rated operating voltage U <sub>e</sub> DC	24 V
Signal type	bi-directional
Type of master port	A

**Environmental conditions**

Ambient temperature	-5...55 °C
EN 60068-2-27, Shock	30 g, 11 ms
EN 60068-2-27, Shock	30 g, 11 ms
EN 60068-2-6, Vibration	30 g, 10...2000 Hz
EN 60068-2-6, Vibration	30 g, 10...2000 Hz
IP rating	IP67
Interference immunity	EN 61000-4-2/3/4/5/6
Storage temperature	-25...70 °C

**Functional safety**

MTTF (40 °C)	51.1 a
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Inductive Couplers  
**BIC 1B0-IT1A7-Q40KFU-SM4A4A**  
Order Code: BIC007F

**BALLUFF**

### IO-Link

IO-Link Profil IDs N/A

### Interface

Additive cycle time	Device + 2.8 ms
Frame type	Device dependent
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.	2.8 ms
SIO mode	no
Transfer rate	COM2 (38.4 kBaud) COM3 (230.4 kBaud)

### Material

Housing material	PBTP
Material sensing surface	PBTP

### Mechanical data

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

### Range/Distance

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

### Remarks

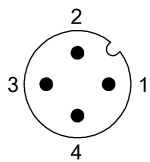
For additional information, refer to user's guide.

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: In-/Output

PIN 3: GND

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