

**Basic features**

<b>Approval/Conformity</b>	CE cETLus EAC WEEE
<b>Component</b>	Base
<b>Function</b>	IO-Link signal transmission
<b>Use</b>	for inductive coupler remote BIC007H

**Display/Operation**

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

**Environmental conditions**

<b>Ambient temperature</b>	-5...55 °C
<b>EN 60068-2-27, Shock</b>	30 g, 11 ms
<b>EN 60068-2-27, Shock</b>	30 g, 11 ms
<b>EN 60068-2-6, Vibration</b>	30 g, 10...2000 Hz
<b>EN 60068-2-6, Vibration</b>	30 g, 10...2000 Hz
<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>	51.1 a
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Inductive Couplers  
**BIC 1B0-IT1A7-Q40KFU-SM4A4A**  
Order Code: BIC007F

**BALLUFF**

**Material**

Housing material	PBTP
Material sensing surface	PBTP

**Mechanical data**

Dimension	40 x 40 x 62 mm
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 + 2.8 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.	2.8 ms
SIO mode	no
Transfer rate	COM2 (38.4 kBaud) COM3 (230.4 kBaud)

**Range/Distance**

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

**Remarks**

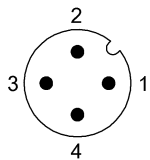
For additional information, refer to user's guide.

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: In-/Output

PIN 3: GND

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