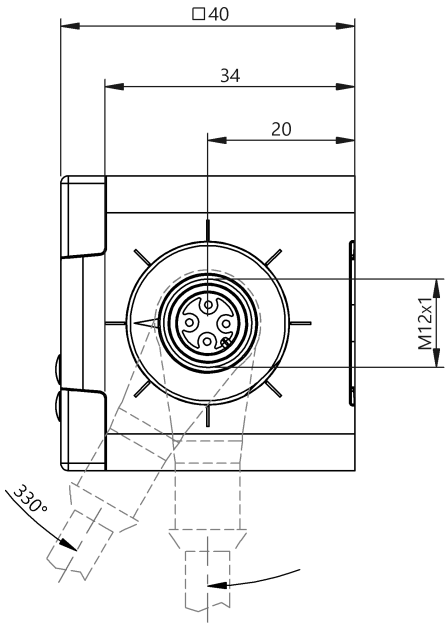
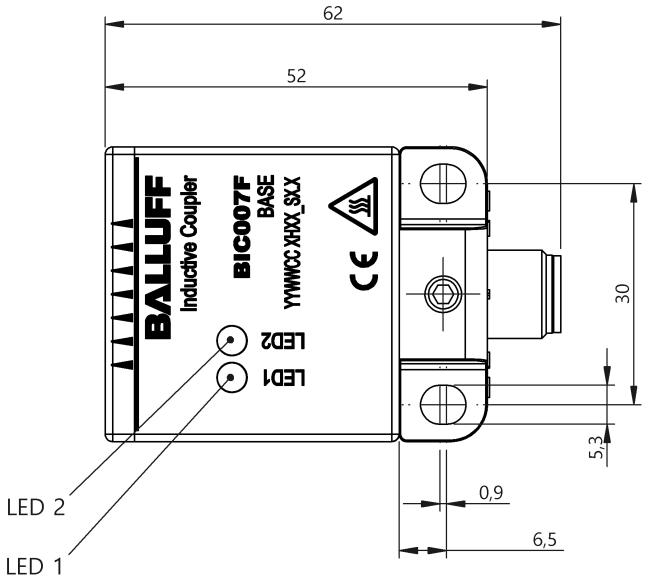
Inductive Couplers

BIC 1B0-IT1A7-Q40KFU-SM4A4A
Order Code: BIC007F





Basic features

Approval/Conformity	CE cETLus EAC WEEE
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 1	M12x1-Male, 4-pin
Short-circuit protection	yes

Electrical data

RFI	3A
Rated operating current Ie	1.9 A
Rated operating voltage Ue 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

Inductive Couplers

BIC 1B0-IT1A7-Q40KFU-SM4A4A
Order Code: BIC007F

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

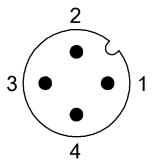
Range	0...5 mm
Transmission distance	0...5 mm

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