

Basic features

| | |
|---------------------|-----------------------------------------|
| Approval/Conformity | CE UKCA WEEE |
| Component | Remote |
| Function | Uni IO-Link |
| Use | for inductive coupler remote BIC000A |

Display/Operation

| | |
|--------------------|-----|
| Function indicator | yes |
| Power indicator | no |

Electrical connection

| | |
|--------------------------|---------------------|
| Connection | M12x1-Female, 5-pin |
| Short-circuit protection | yes |

Electrical data

| | |
|----------------------|----------------|
| Output voltage | 24 VDC |
| Rated output current | 500 mA |
| Signal type | unidirectional |
| 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...70 °C |

Functional safety

| | |
|--------------|-------|
| MTTF (40 °C) | 128 a |
|--------------|-------|

IO-Link

| | |
|--------------------|-----|
| IO-Link Profil IDs | N/A |
|--------------------|-----|

Interface

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

Inductive Couplers
BIC 210-I2A50-Q40KFU-SM4A5A
Order Code: BIC005C

BALLUFF

Material

| | |
|--------------------------|------|
| Housing material | PBT |
| Material sensing surface | PBTP |

Range/Distance

| | |
|-----------------------|----------|
| Range | 0...5 mm |
| Transmission distance | 0...5 mm |

Mechanical data

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

Remarks

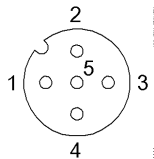
For additional information, refer to user's guide.

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: not used

PIN 3: GND

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

PIN 5: not used