

1) LED function indicator



Basic features

| | |
|---------------------|---|
| Approval/Conformity | CE EAC WEEE |
| Component | Base |
| Function | Signal transmission |
| Use | for inductive coupler remote BIC007U |

Electrical data

| | |
|----------------------------------|----------------|
| Current load per output max. | 50 mA |
| Rated operating current I_e | 500 mA |
| Rated operating voltage U_e DC | 24 V |
| Ready delay t_v max. | 80 ms |
| Ripple max. (% of U_e) | 10 % |
| Signal type | unidirectional |
| Switching frequency | 60 Hz |

Display/Operation

| | |
|----------------------------|-----|
| Function indicator | yes |
| InZone indicator | yes |
| Switching function display | LED |

Environmental conditions

| | |
|-----------------------|----------------------|
| Ambient temperature | 0...50 °C |
| Interference immunity | EN 61000-4-2/3/4/5/6 |
| Protection degree | IP67 |
| Storage temperature | -10...70 °C |

Electrical connection

| | |
|-------------------------------------|----------------------|
| Bending radius min., fixed cable | 5 x D |
| Bending radius min., flexible cable | 10 x D |
| Cable diameter D | 4.5 mm |
| Cable length L | 5 m |
| Conductor cross-section | 0.34 mm ² |
| Connection type | Cable, 5 m, PUR |
| Number of conductors | 7 |
| Short-circuit protection | yes |

Functional safety

| | |
|--------------|-----|
| MTTF (40 °C) | 6 a |
|--------------|-----|

Material

| | |
|--------------------------------------|-----------------------------|
| Housing material | Nickel-plated brass, coated |
| Housing material, surface protection | coated |
| Material jacket | PUR |
| Material sensing surface | PA 6.6 |

Mechanical data

| | |
|------------------------|--------------|
| Dimension | Ø 18 x 94 mm |
| Installation | non-flush |
| Offset | ±3 mm |
| Size | M18x1 |
| Tightening torque max. | 70 Nm |
| Weight | 210 g |

Output/Interface

| | |
|-----------------|--------|
| Digital outputs | 4x PNP |
|-----------------|--------|

Range/Distance

| | |
|-----------------------|----------|
| Range | 1...3 mm |
| Transmission distance | 1...3 mm |

Remarks

For additional information, refer to user's guide.

Order accessories separately.

For more information about MTTF and B10d see MTTF / B10d Certificate

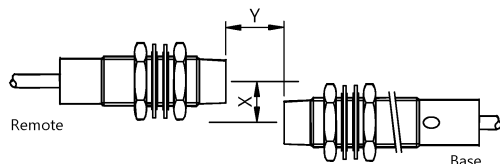
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Wiring Diagrams

| | | |
|---------------------|----|----------------------|
| BIC BASE | WH | 24 V |
| | BU | FE / Function ground |
| | GY | DAV / In Zone |
| | BN | Sensor 1 |
| | PK | Sensor 2 |
| | YE | Sensor 3 |
| | GN | Sensor 4 |

Help Views

| | |
|--------|--------|
| X (mm) | Y (mm) |
| ≤ 3 | < 3 |



Distance + offset, remote-base