

1) LED function indicator



### Basic features

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

### Display/Operation

Function indicator	yes
InZone indicator	yes
Switching function display	LED

### 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 <sup>2</sup>
Connection type	Cable, 5 m, PUR
Number of conductors	7
Short-circuit protection	yes

### Electrical data

Current load per output max.	50 mA
Rated operating current I <sub>e</sub>	500 mA
Rated operating voltage U <sub>e</sub> DC	24 V
Ready delay t <sub>v</sub> max.	80 ms
Ripple max. (% of U <sub>e</sub> )	10 %
Signal type	unidirectional
Switching frequency	60 Hz

### Environmental conditions

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

### Functional safety

MTTF (40 °C)	6 a
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### Interface

Digital outputs	4x PNP
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### Material

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

Inductive Couplers  
**BIC 1I22-P2A02-M18MN2-EPX07-050**  
**Order Code: BIC007T**



**Mechanical data**

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

**Weight**

210 g

**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

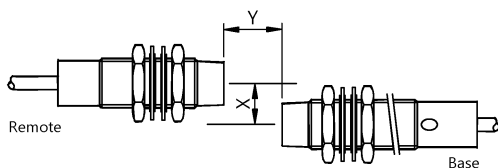
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

**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