



1) Sensing surface, 2) Mounting surface, 3) Data carrier, 4) Read range



### Basic features

Antenna type	round
Approval/Conformity	CE cULus WEEE
EN 55011	Size 1, Cl. A

### Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable diameter D	5.40 mm
Cable length L	10 m, Drag chain compatible
Cable, bending cycles min.	2 million
Connection	M12x1-Female
Connection type	10.00 m, PU

### Environmental conditions

Ambient temperature	0...70 °C
Cable temperature, drag chain	-25...60 °C
Cable temperature, fixed routing	-50...80 °C
Continuous shock load	yes
EN 60068-2-27, Shock	yes
EN 60068-2-32 Free fall	yes
EN 60068-2-6, Vibration	yes
Protection degree	IP67
Storage temperature	-20...85 °C

### Material

Housing material	Aluminum, PA 6.6
Material jacket	PU

LF (70/455 kHz)  
**BIS C-302-PU1-10**  
Order Code: **BIS00P9**

**BALLUFF**

**Mechanical data**

**Application weight** 270.00 g  
**Dimension** 40 x 33 x 61.5 mm

**Installation**

metal-free (clear zone)  
on metal  
flush in metal

**Remarks**

Values are under rated conditions unless otherwise specified.  
Only together with converter BIS C-901 or BIS C-6xx  
ATTENTION: 10m cable length reduces the read/write distance by 10 %

**Help Views**

**BIS C-302-\_\_**

	BIS C-100-05/A	BIS C-103-05/A	BIS C-105-05/A	BIS C-121-04/L	BIS C-121-04/L-SA1	BIS C-122-04/L	BIS C-130-05/L	BIS C-130-05/L	BIS C-130-05/L	BIS C-130-05/L-SA1	BIS C-191-__/L
passende Datenträger Appropriate data carriers	bündig / flush	bündig / flush	bündig / flush	bündig / flush	bündig / flush	bündig / flush	bündig / flush	bündig / flush	nicht bündig / non-flush	nicht bündig / non-flush	nicht bündig / non-flush
<b>statischer Betrieb</b>											
<b>Static mode</b>											
Schreibabstand in mm Write distance in mm	0-4	0-3	0-3	0-1,5	0-0,7	0-2	0-3,5	0-4	0-4	0-4	0-3
Leseabstand in mm Read distance in mm	0-4	0-3	0-3	0-1,5	0-0,7	0-2	0-3,5	0-4	0-4	0-4	0-3
Versatz in mm bei Abstand von	0,7				±1						
	1	±3	±3	±1,5		±2	±3	±5	±5	±5	±4
	2										
	3	±2	±1,5	±1,5			±2	±3	±3	±3	±2
	4										
	5										
	6										
	7										
	10										
	15										
	20										
	35										
	42										
	60										