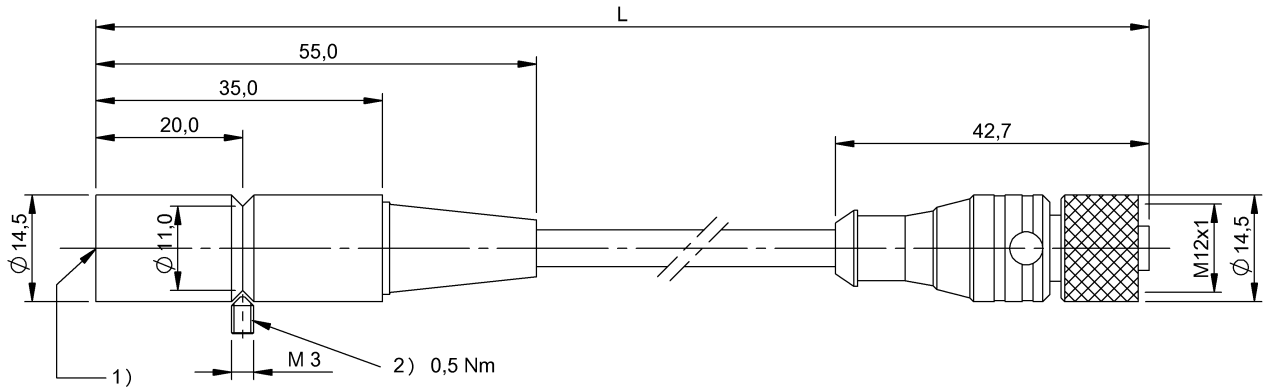
LF (70/455 kHz)

BIS C-300-PU1-05
Order Code: BIS005Z



1) Sensing surface, 2) Tightening torque

Basic features

Antenna type	round
Approval/Conformity	CE cULus EAC WEEE
EN 55011	Size 1, Cl. A
Principle of operation	Read/write head

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	5 m, Drag chain compatible
Cable, bending cycles min.	2 mil.
Connection	M12x1-Female
Connection type	5.00 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
IP rating	IP67
Storage temperature	-20...85 °C

Functional safety

MTTF (40 °C)	15080 a

Material

Housing material	Brass, nickel plated
Housing material, surface protection	nickel-plated
Material jacket	PU

Mechanical data

Application weight	210.00 g
Dimension	Ø 14.5 x 35 mm
Installation	metal-free (clear zone) on metal flush in metal

Remarks

Only together with converter BIS C-901 or BIS C-6xx
Specified relative speed refers to reading/writing the first 4 bytes from the first page.
Values are under rated conditions unless otherwise specified.
Time specification includes data check.
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.

Help Views

BIS C-300-PU1-05
Order Code: BIS005Z

BALLUFF

BIS C-300-__

passende Datenträger Appropriate data carriers	C-100-05/A bündig / flush	C-103-05/A bündig / flush	C-105-05/A bündig / flush	C-121-04/L bündig / flush	C-121-04/L-SA1 bündig / flush	C-122-04/L bündig / flush	C-130-05/L bündig / flush	C-134-__/L bündig / flush	C-130-05/L nicht bündig / non-flush	C-130-05/L-SA1 nicht bündig / non-flush	C-130-05/L-SA6	C-191-__/L nicht bündig / non-flush	C-141-11/L nicht bündig / non-flush
statischer Betrieb **Static mode**													
Schreibabstand in mm Write distance in mm	0-4	0-3,5	0-3,5	0-2	0-1,2	0-2,5	0-4	0-3	0-4	0-4	0-3	0-3,5	0-3,5
Leseabstand in mm Read distance in mm	0-4	0-3,5	0-3,5	0-2	0-1,2	0-2,5	0-4	0-3	0-4	0-4	0-3	0-3,5	0-3,5
Versatz in mm	0,7				±2								
bei Abstand von	1	±3	±3	±2		±2,5	±3,5	±4	±5	±5	±3,5	±4	±3
	2												±3
Offset in mm at distance	3	±2	±2	±2			±3		±4	±4	±2	±3	±1,5
	4												
	5												
	6												
	7												
	10												
	15												
	20												
	35												
	42												
	60												

BALLUFF

BIS C-300-__

passende Datenträger Appropriate data carriers	C-141-11/L bündig / flush
statischer Betrieb **Static mode**	
Schreibabstand in mm Write distance in mm	0-3
Leseabstand in mm Read distance in mm	0-3
Versatz in mm bei Abstand von	0,7
	1 ±2,5
	2 ±2,5
Offset in mm at distance	3 ±1,5
	4
	5
	6
	7
	10
	15
	20
	35
	42
	60