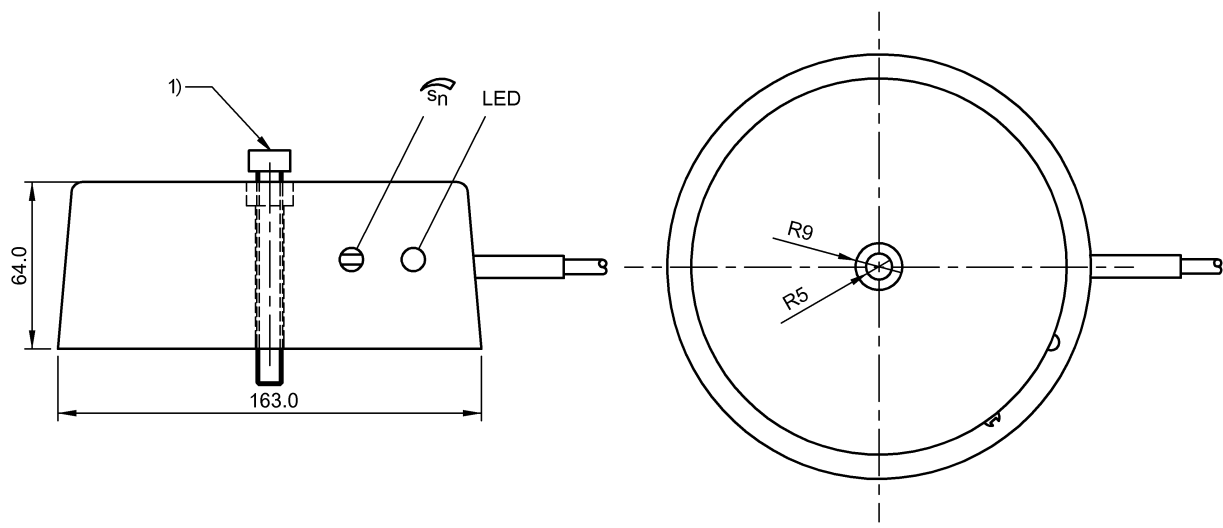


Inductive Sensors
BES IKO-K-100-P-1-S
Order Code: BES02T2

BALLUFF



1) M16x90 plastic screw



Basic features

Approval/Conformity	CE WEEE
Basic standard	IEC 60947-5-2

Display/Operation

Function indicator	yes
Power indicator	no

Electrical connection

Cable length L	2 m
Conductor cross-section	0.82 mm²
Connection type	Cable, 2.00 m
Number of conductors	3
Short-circuit protection	yes

Electrical data

Operating voltage U_b	10...55 VDC
Rated operating current I_e	400 mA
Rated operating voltage U_e DC	24 V
Rated short circuit current	100 A
Ripple max. (% of U_e)	15 %
Switching frequency	50 Hz
Voltage drop static max.	1.5 V

Environmental conditions

Ambient temperature	-25...70 °C
IP rating	IP67

Interface

Switching output	PNP normally open (NO)
------------------	------------------------

Material

Housing material	PBT
Material sensing surface	PBT

Mechanical data

Dimension	163 x 163 x 64 mm
Installation	non-flush

Range/Distance

Assured operating distance Sa	80 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	100 mm
Real switching distance sr	100 mm
Repeat accuracy max. (% of Sr)	5.0 %
Temperature drift max. (% of Sr)	10 %

Remarks

Protection class with installed protection screw for the adjusting container.

Wiring Diagrams

