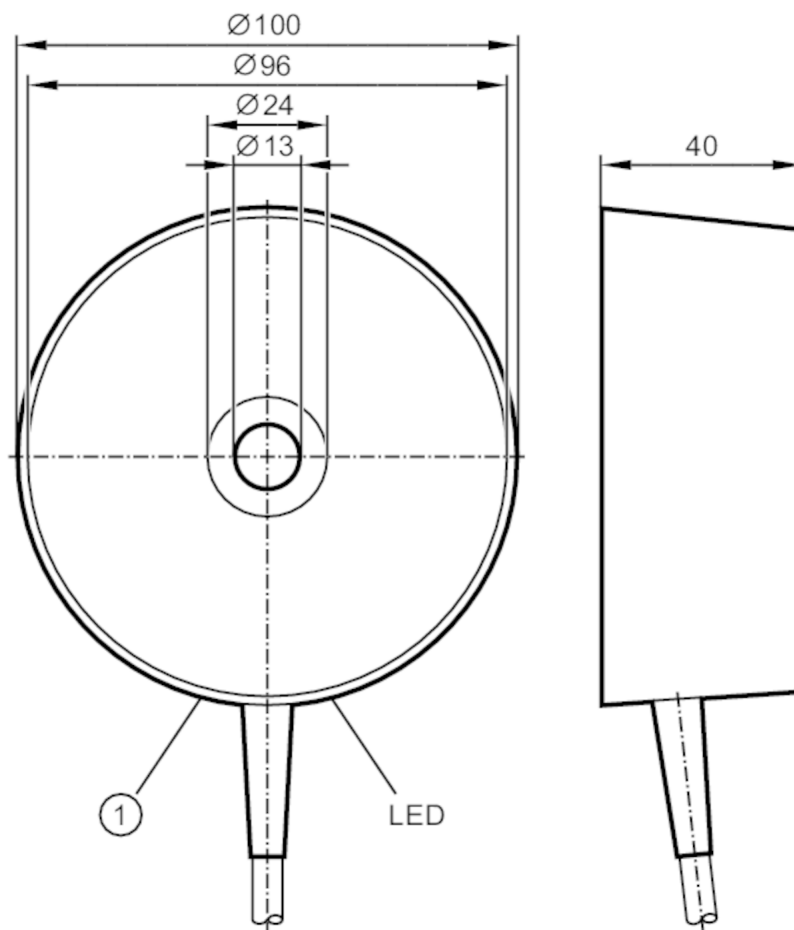


Inductive area sensor

SIT-2070-BBOW



1 potentiometer



Product characteristics

Output function		normally closed
Sensing range	[mm]	20...70
Housing		cylindrical
Dimensions	[mm]	Ø 100 / L = 40

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	90...250 AC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally closed
Max. voltage drop switching output AC	[V]	11
Minimum load current	[mA]	15
Max. leakage current	[mA]	6



Inductive area sensor

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Permanent current rating of switching output AC	[mA]	200; (250 (...50 °C))
Short-time current rating of switching output	[mA]	1500; (10 ms / 0,5 Hz)
Switching frequency AC	[Hz]	5
Short-circuit proof		no
Overload protection		no

Detection zone

Sensing range	[mm]	20...70
Sensing range adjustable		yes
Factory setting sensing range	[mm]	70
Real sensing range Sr	[mm]	70 ± 10 %

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	< 15
Switch point drift	[% of Sr]	-15...15

Operating conditions

Ambient temperature	[°C]	-20...70
Protection		IP 65

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Weight	[g]	509.8
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 100 / L = 40
Materials		PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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Electrical connection

Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
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Remarks

Remarks		Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity		1 pcs.

I12002



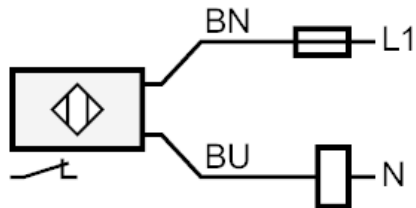
Inductive area sensor

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Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting
Core colours :

BN =

brown

BU =

blue