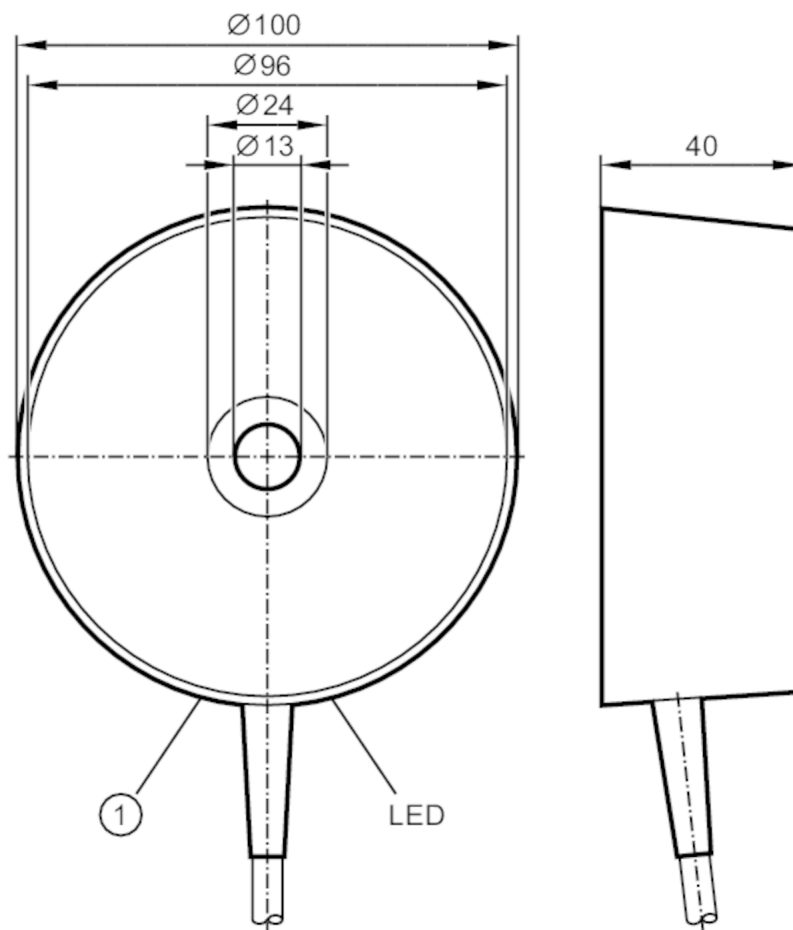


Inductive area sensor

SIT-3070-BPKG



1 potentiometer



Product characteristics

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

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5



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Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	5
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

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: 0.4 / copper: 0.3
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
MTTF	[years]	724

Mechanical data

Weight	[g]	516.5
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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Accessories

Items supplied	screws: 1
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Remarks

Pack quantity	1 pcs.
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I17001



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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



	Core colours :
BK =	black
BN =	brown
BU =	blue