

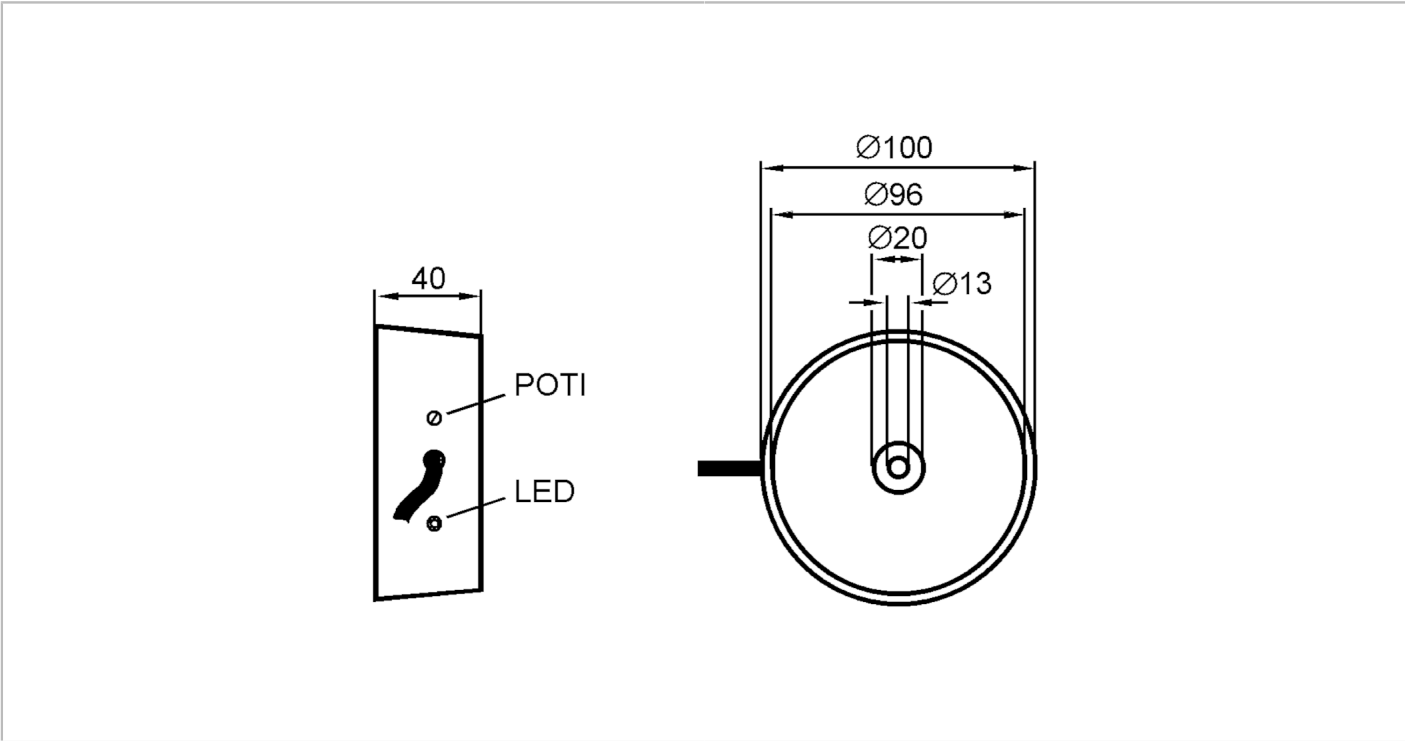


Inductive area sensor

I1-3070-BPOG

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Alternative articles: I17001
When selecting an alternative article and accessories please note that technical data may differ!



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]	12...36 DC
Current consumption	[mA]	< 7
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	10
Detection zone		
Sensing range	[mm]	20...70
Sensing range adjustable		yes



Inductive area sensor

I1-3070-BPOG

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
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

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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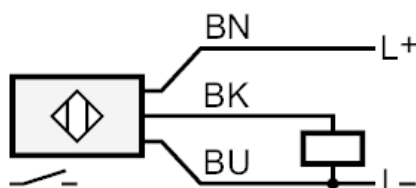
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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