



Inductive area sensor

SIT-3070-BPKG/A-PLATE



1 potentiometer



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	20...70
Housing	cylindrical
Dimensions [mm]	Ø 100 / L = 45

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



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Max. voltage drop switching output DC	[V]	2.5
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
Mechanical data		
Weight	[g]	689.5
Housing		cylindrical
Mounting		non-flush mountable
Type of mounting		with mounting plate
Dimensions	[mm]	Ø 100 / L = 45
Materials		PBT; Mounting plate: aluminium anodised
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.

I17003



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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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