

Inductive area sensor

SIT-3070-ANKG/A-PLATE



1 potentiometer



Product characteristics

Electrical design	NPN
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	NPN
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	[X01]	< 15	
Switch point drift	[X01]	-15...15	
Operating conditions			
Ambient temperature	[°C]	-20...70	
Protection		IP 65	
Tests / approvals			
EMC	EN 60947-5-2		
Mechanical data			
Weight	[g]	685.5	
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.		

I17004



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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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