

I17004



Inductive area sensor

SIT-3070-ANKG/A-PLATE



1 potentiometer



Electrical data

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



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Outputs		
Electrical design	NPN	
Output function	normally open	
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	
Mechanical data		
Weight [g]	665	
Housing	cylindrical	
Mounting	non-flush mountable	
Type of mounting	with mounting plate	
Dimensions [mm]	Ø 100	
Materials	PBT; Mounting plate: aluminium anodised	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity	1 pcs.	

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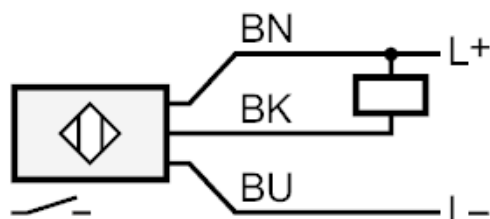
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



Core colours :

BK =	black
BN =	brown
BU =	blue