

IS5071

Inductive sensor

IS-3004-BPKG/AS



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	rectangular
Dimensions [mm]	28 x 10 x 16

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	15
Protection class	III
Reverse polarity protection	yes

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]	2000
Short-circuit protection	yes
Overload protection	yes

Detection zone

Sensing range [mm]	4
Real sensing range S_r [mm]	$4 \pm 10 \%$
Operating distance [mm]	0...3.25

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Accuracy / deviations		
Hysteresis	[% of Sr]	1...15
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection	IP 65; (with ifm socket duly screwed on: IP 67)	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	3076
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191
Mechanical data		
Weight	[g]	8.5
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions	[mm]	28 x 10 x 16
Materials	PBT; PC	
Tightening torque	[Nm]	< 0.5; (with washer)
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M8		
		

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Connection

