

ID9213



Inductive sensor

ID-2050-ARKG/6M/PVC

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Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	50
Housing	rectangular
Dimensions [mm]	120 x 80 x 30

Electrical data

Operating voltage [V]	10...55 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	4.5
Minimum load current [mA]	5
Max. leakage current [mA]	0.6
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	8
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

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Monitoring range		
Sensing range	[mm]	50
Sensing range adjustable		yes
Factory setting sensing range	[mm]	50
Real sensing range Sr	[mm]	$50 \pm 10 \%$
Operating distance	[mm]	0...40.5

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data		
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	120 x 80 x 30
Material		PPE modified

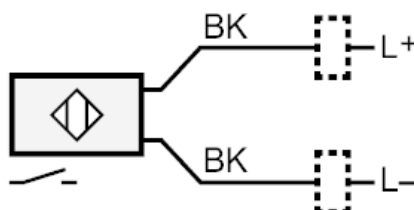
Displays / operating elements		
Display	Switching status	1 x LED, yellow

Accessories		
Items supplied		screwdriver: 1

Remarks		
Pack quantity		1 pcs.

Electrical connection		
Cable: 6 m, PVC; 2 x 0.34 mm ²		

Connection		
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BK = Core colors :
black