

Inductive sensor

IO-2010-ARKG/19M

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- 1 mounting holes M4 reinforced
2 Sensing face



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	10
Housing	rectangular
Dimensions [mm]	26 x 26 x 42

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]	2
Max. leakage current [mA]	0.6
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	250
Short-circuit protection	yes



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Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range	[mm]	10
Real sensing range S_r	[mm]	$10 \pm 10 \%$
Operating distance	[mm]	0...8.1

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	26 x 26 x 42
Materials		PBT

Displays / operating elements

Display	switching status	1 x LED, red
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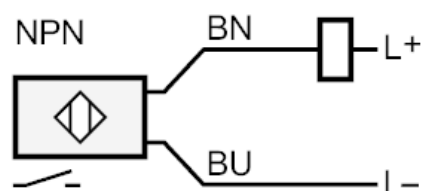
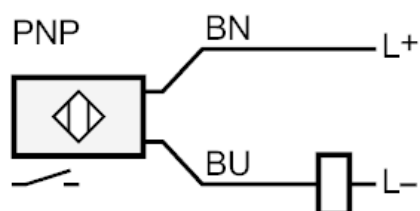
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 19 m, PVC; 2 x 0.5 mm²

Connection



Core colours :
 BN = brown
 BU = blue