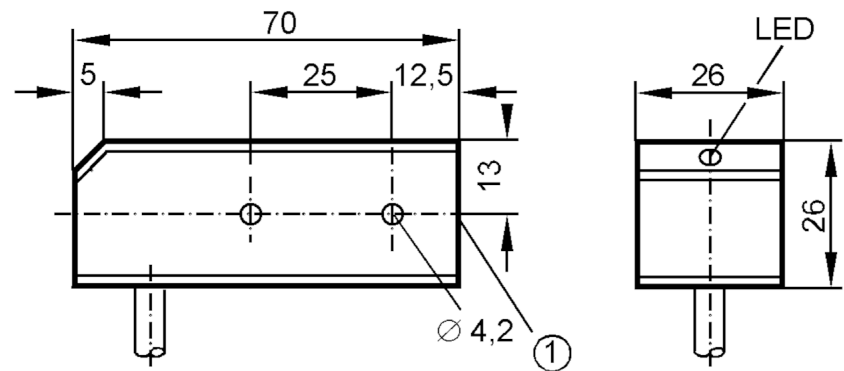




Inductive sensor

IO-2010-ARKG/PUR

Article no longer available - archive entry



1 sensing face



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	10
Housing		rectangular
Dimensions	[mm]	26 x 26 x 70
Electrical data		
Operating voltage	[V]	10...55 DC
Reverse polarity protection		yes
Outputs		
Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	6.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	0.6
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	100
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)

IO5003



Inductive sensor

IO-2010-ARKG/PUR

Overload protection	yes
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Monitoring range

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 / aluminum: 0.4 / copper: 0.3	
Hysteresis	[% of S_r]	1...15
Switch-point drift	[% of S_r]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 68

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	26 x 26 x 70
Material		PBT

Displays / operating elements

Display	Switching status	1 x LED, yellow
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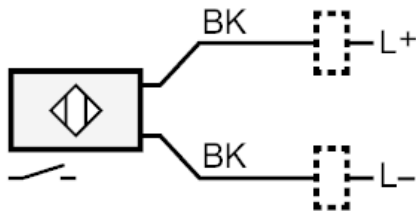
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PUR; 2 x 0.5 mm²

Connection



BK = Core colors :
black