IO9923

Inductive sensor

IOW2010-ARKG/0,15M/US/UP RT

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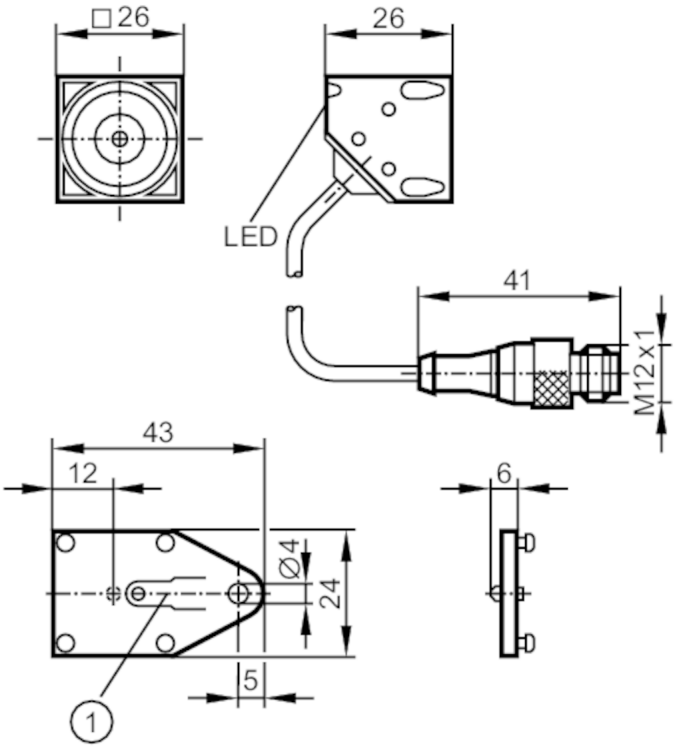
Alternative articles: IO5018

When selecting an alternative article and accessories please note that technical data may differ!



1 snap-fit mounting

CE

Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	10
Housing		rectangular
Dimensions	[mm]	26 x 26 x 26
Electrical data		
Operating voltage	[V]	10...36 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

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Max. leakage current	[mA]	0.6	
Permanent current rating of switching output DC	[mA]	100	
Switching frequency DC	[Hz]	250	
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Detection zone			
Sensing range	[mm]	10	
Real sensing range Sr	[mm]	10 ± 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	[% of Sr]	1...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...70	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Weight	[g]	0.057	
Housing		rectangular	
Mounting		flush mountable	
Dimensions	[mm]	26 x 26 x 26	
Materials		PA	
Displays / operating elements			
Display		switching status	1 x LED, red
Accessories			
Items supplied		head cap screw: 1 x M4 x 10	
Remarks			
Pack quantity		1 pcs.	

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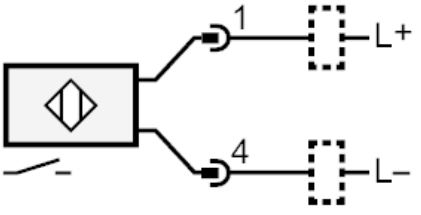
Electrical connection

Cable: 0.15 m, PUR

Electrical connection - plug

Connector: 1 x M12; coding: A

Connection