

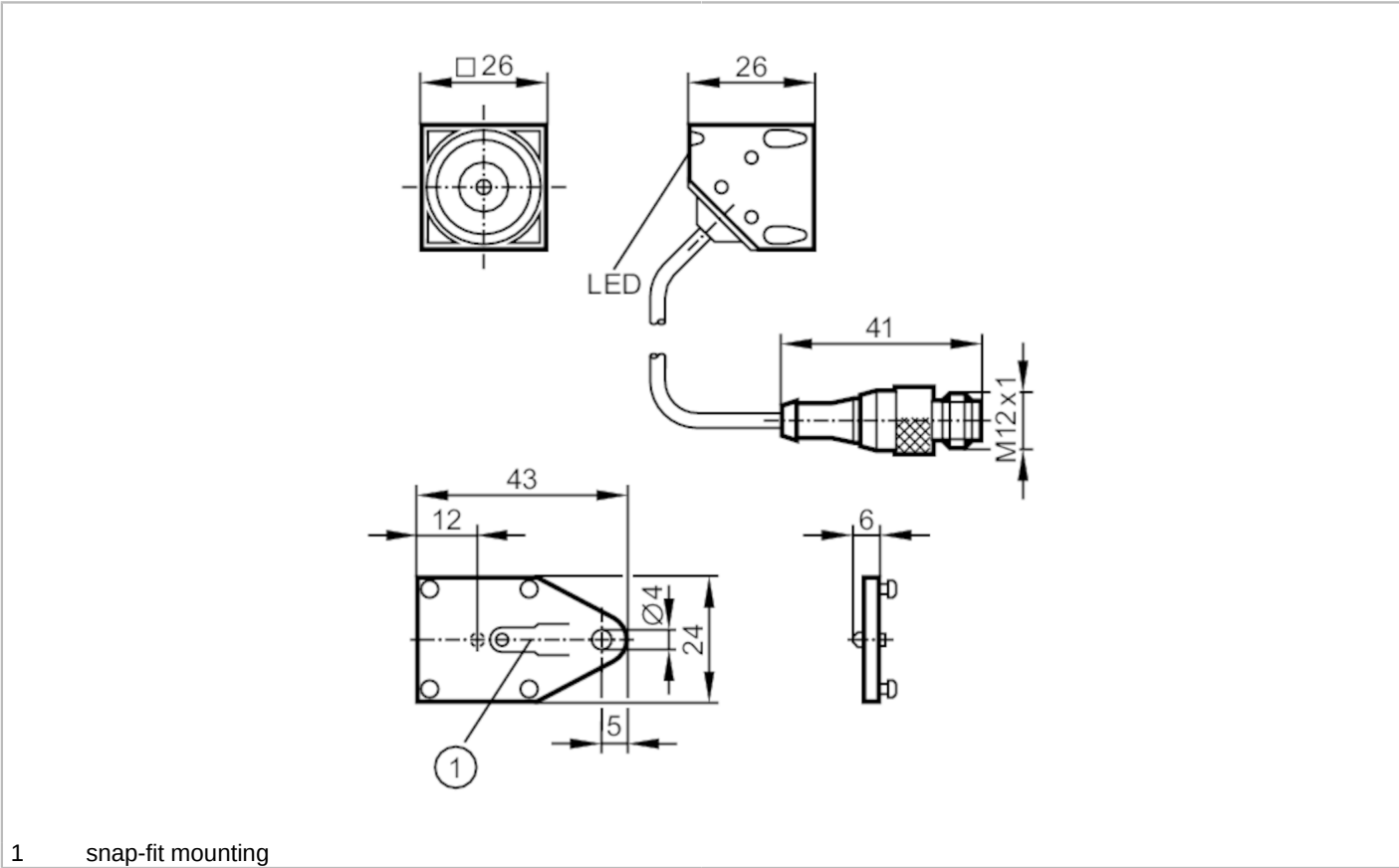


Inductive sensor

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!



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		yes (non-latching)
Overload protection		yes

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: 0.3 / copper: 0.2
Hysteresis	[% of S_r]	1...15
Switch-point drift	[% of S_r]	-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
Material		PA

Displays / operating elements

Display	Switching status	1 x LED, red
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Accessories

Items supplied	head cap screw: 1 x M4 x 10
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Remarks

Pack quantity	1 pcs.
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IO9923



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Electrical connection

Cable: 0.15 m, PUR

Electrical connection - plug

Connector: 1 x M12; coding: A



Connection

