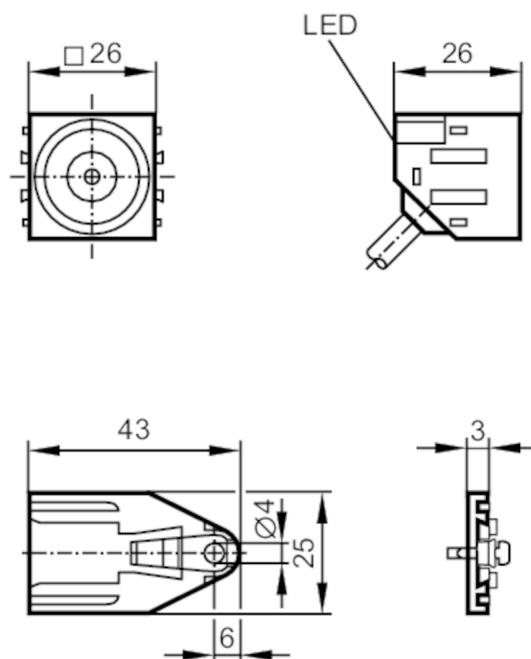


Inductive sensor

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



1 snap-fit mounting



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]	4.6
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
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

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Accuracy / deviations				
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3		
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
MTTF		[years]	2577	
Mechanical data				
Weight		[g]	65.5	
Housing			rectangular	
Mounting			flush mountable	
Dimensions		[mm]	26 x 26 x 26	
Materials			PA	
Displays / operating elements				
Display			switching status	1 x LED, red
Electrical connection				
Connection			plug	
Accessories				
Accessories (supplied)			head cap screw: 1 x M4 x 12	
Remarks				
Pack quantity			1 pcs.	
Electrical connection - plug				
Cable: 0.15 m, PUR; 3 x 0.14 mm²				
Connector: 1 x M12				
				

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Connection

