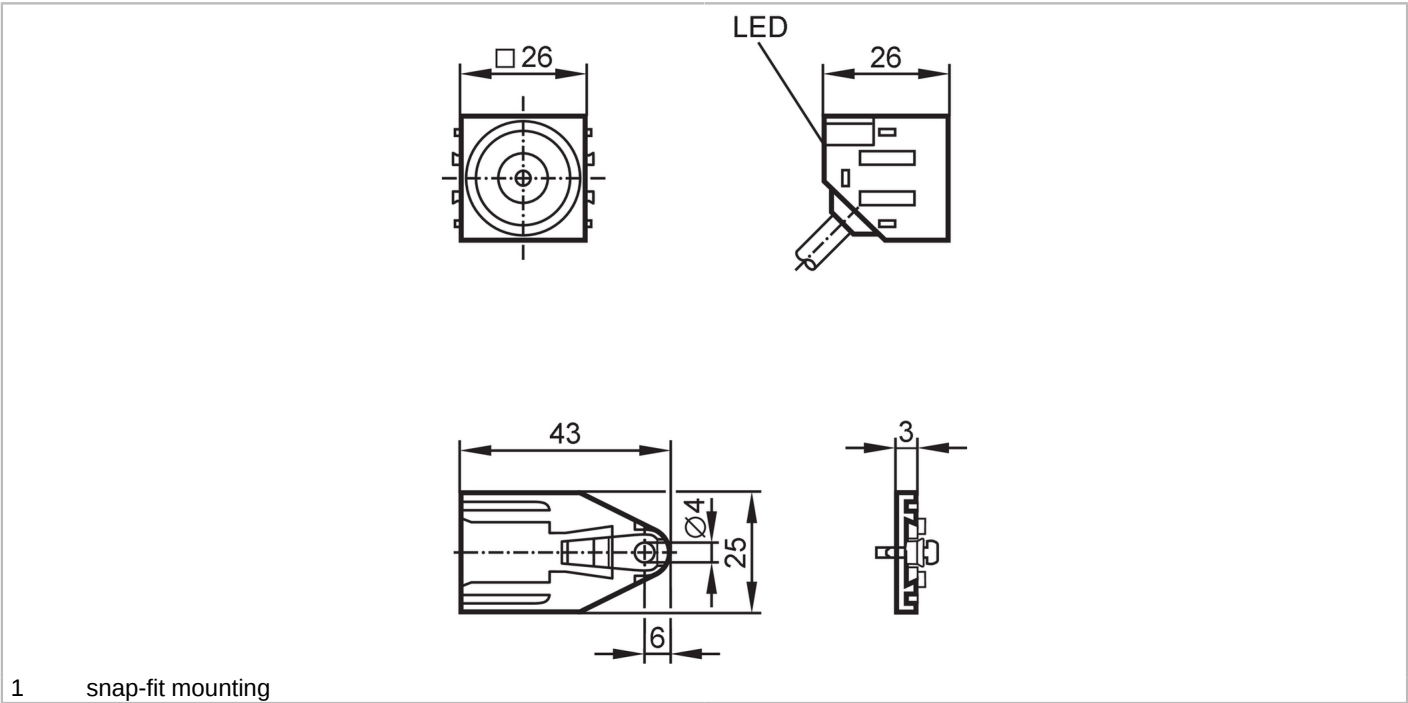




Inductive sensor

IOW2010-ARKG/0,8M/US/UP RT



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	10
Housing		rectangular
Dimensions	[mm]	26 x 26 x 26
Application		
Application		Industrial applications; Oils and coolants
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		yes (non-latching)

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Inductive sensor

IOW2010-ARKG/0,8M/US/UP RT

Overload protection	yes	
Monitoring range		
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: 0.5 / aluminum: 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]	72.5
Housing	rectangular	
Mounting	flush mountable	
Dimensions	[mm]	26 x 26 x 26
Material	PA	
Displays / operating elements		
Display	Switching status	1 x LED, red
Accessories		
Items supplied	head cap screw: 1 x (M4 x 12 mm)	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Cable: 0.8 m, PUR; 3 x 0.14 mm²		
Connector: 1 x M12; coding: A; Contacts: 4		
		

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Connection

