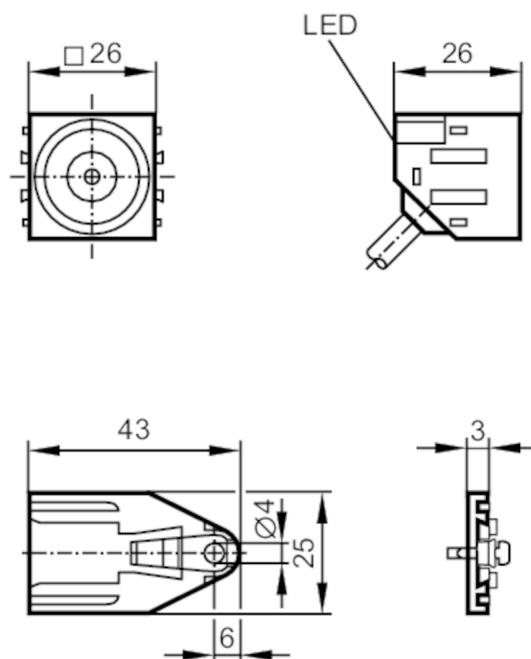


Inductive sensor

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



1 snap-fit mounting



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



Inductive sensor

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

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 Sr [mm]	10 ± 10 %	
Operating distance [mm]	0...8.1	
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	class B
	EN 55011	
MTTF [years]	2577	
Mechanical data		
Weight [g]	78.1	
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		
Accessories (supplied)	head cap screw: 1 x M4 x 12	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Cable: 0.8 m, PUR; 3 x 0.14 mm²		
Connector: 1 x M12		

IO5017



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Connection

