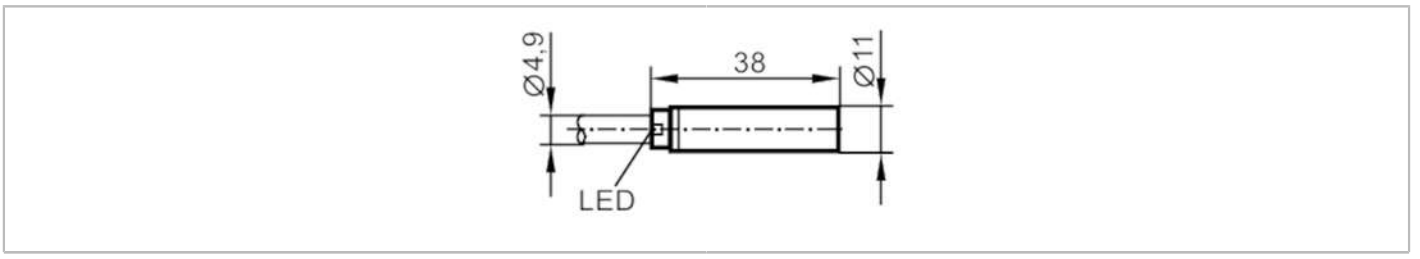
IF5923

Inductive sensor

IFG2005-ARKG/5M/UP RT



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	5
Housing		cylindrical
Dimensions	[mm]	Ø 11 / L = 38
Electrical data		
Operating voltage	[V]	10...36 DC
Protection class		III
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]	4
Max. leakage current	[mA]	1
Permanent current rating of switching output DC	[mA]	150
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	5
Real sensing range Sr	[mm]	5 ± 10 %
Operating distance	[mm]	0...4.05
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67

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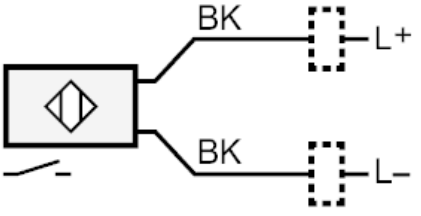
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	2744	
Mechanical data			
Weight	[g]	189	
Housing		cylindrical	
Mounting		non-flush mountable	
Dimensions	[mm]	Ø 11 / L = 38	
Materials		PBT	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 5 m, PVC; 2 x 0.34 mm²

Connection



	Core colours :
BK =	black