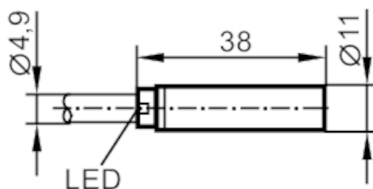


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Inductive sensor

IFG2005-ARKG/5M/UP RT



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 S_r [mm]	$5 \pm 10\%$
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 S_r]	3...15
Switch point drift [% of S_r]	-10...10
Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
MTTF [years]	2744

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Inductive sensor

IFG2005-ARKG/5M/UP RT

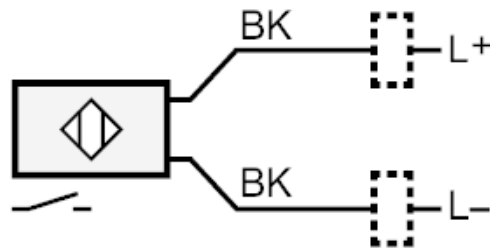
Mechanical data	
Weight [g]	186.6
Housing	cylindrical
Mounting	non-flush mountable
Dimensions [mm]	Ø 11 / L = 38
Materials	PBT

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 mm ²	

Connection



Core colours :
BK = black