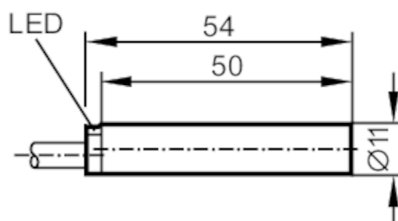




Inductive sensor

IFG3005-BPKG/5M

RT



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	5
Housing	cylindrical
Dimensions [mm]	Ø 11 / L = 54

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
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 [X01]	3...15
Switch point drift [X01]	-10...10

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 67

IF5822



Inductive sensor

IFG3005-BPKG/5M RT

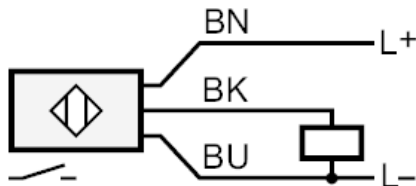
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[ANN]	1865

Mechanical data		
Weight	[g]	191.5
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 11 / L = 54
Materials		PBT uncoloured

Displays / operating elements		
Display	switching status	1 x LED, red

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 5 m, PVC; 3 x 0.14 mm ²	
Connection	



BK =	Core colours :
BN =	black
BU =	brown
	blue