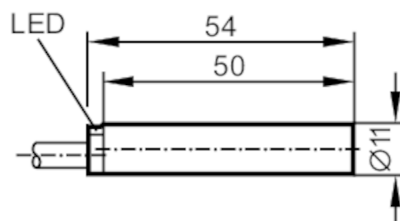




Inductive sensor

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 [% of S_r]	3...15
Switch point drift [% of S_r]	-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 [years]		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
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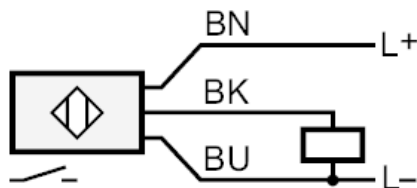
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 5 m, PVC; 3 x 0.14 mm²

Connection



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