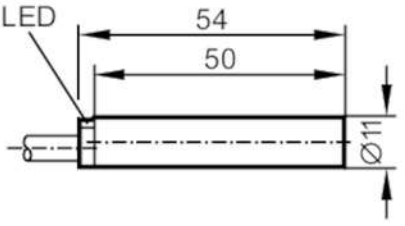
IF5822

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 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

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

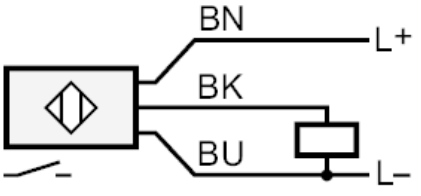
Displays / operating elements		
Display	switching status	1 x LED, red

Remarks	
Pack quantity	1 pcs.

Electrical connection

Cable: 5 m, PVC; 3 x 0.14 mm²

Connection



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