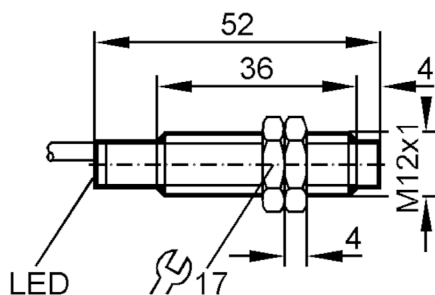


IF5706



Inductive sensor

IFK3004-BPOG/4M



Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
Reverse polarity protection		no

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	300
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	4
Real sensing range S_r	[mm]	$4 \pm 10 \%$
Operating distance	[mm]	0...3.25

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of S_r]	1...15
Switch point drift	[% of S_r]	-10...10

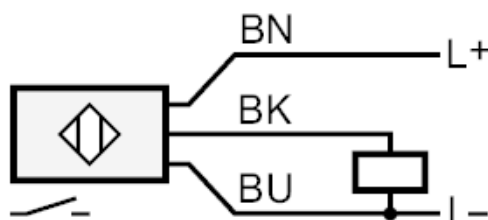
IF5706



Inductive sensor

IFK3004-BPOG/4M

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	4292
Mechanical data		
Weight	[g]	110.9
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		brass nickel-plated; PC
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 4 m, PVC; 3 x 0.14 mm ²		
Connection		



Core colours :

BK = black
BN = brown
BU = blue