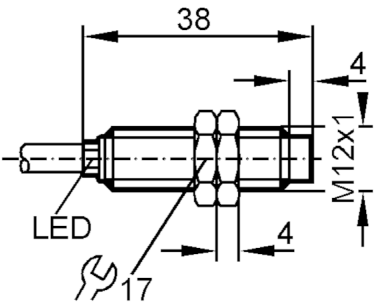


IF6034



Inductive sensor

IFB3004-BPKG/V4A



Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
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]	150
Switching frequency DC	[Hz]	1500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	4
Real sensing range S_r	[mm]	$4 \pm 10 \%$
Operating distance	[mm]	0...3.25

IF6034



Inductive sensor

IFB3004-BPKG/V4A

Accuracy / deviations				
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3		
Hysteresis	[% of Sr]	1...15		
Switch point drift	[% of Sr]	-10...10		
Operating conditions				
Ambient temperature		[°C]	-25...80	
Protection			IP 67	
Tests / approvals				
EMC		EN 60947-5-2		
		EN 55011		class B
MTTF		[years]	2577	
Mechanical data				
Weight		[g]	97	
Housing			threaded type	
Mounting			non-flush mountable	
Dimensions		[mm]	M12 x 1	
Thread designation			M12 x 1	
Materials			stainless steel; sensing face: PBT	
Displays / operating elements				
Display			switching status	1 x LED, yellow
Accessories				
Accessories (supplied)			lock nuts: 2	
Remarks				
Pack quantity			1 pcs.	

IF6034



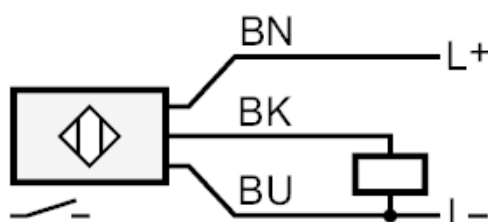
Inductive sensor

IFB3004-BPKG/V4A

Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



Core colours :

BN =	brown
BU =	blue
BK =	black