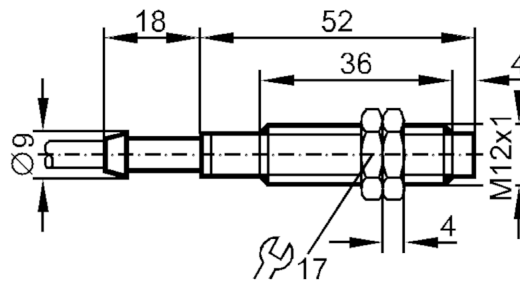


# IF5018



## Inductive sensor

IFK3004-BPOG/OLED



Electrical data		
Operating voltage [V]	10...30 DC	
Current consumption [mA]	15; (24 V)	
Protection class	II	
Reverse polarity protection	no	
Outputs		
Electrical design	PNP	
Output function	normally open	
Max. voltage drop switching output DC [V]	1	
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	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	class B
	EN 55011	
MTTF [years]	3883	

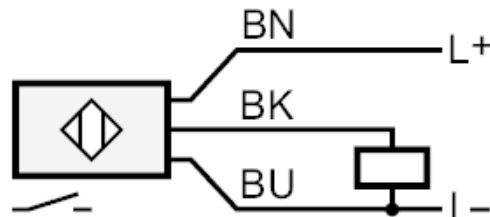
# IF5018



## Inductive sensor

IFK3004-BPOG/OLED

Mechanical data	
Weight [g]	99
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M12 x 1
Thread designation	M12 x 1
Materials	brass white bronze coated; PC
Accessories	
Accessories (supplied)	lock nuts: 2
Remarks	
Pack quantity	1 pcs.
Electrical connection	
Cable: 2 m, PVC; 3 x 0.34 mm <sup>2</sup>	
Connection	



Core colours :

BN = brown  
BU = blue  
BK = black