

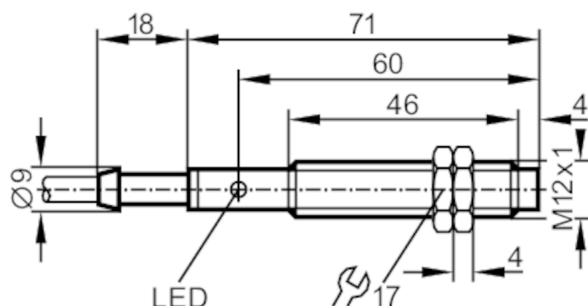
Inductive sensor

IFA3004-BPKG

RT

discontinued article

Discontinuation date: 31.03.2019



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	threaded type
Dimensions [mm]	M12 x 1 / L = 71

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]	400
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

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Accuracy / deviations				
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2		
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]	945	
Mechanical data				
Weight		[g]	103.5	
Housing			threaded type	
Mounting			non-flush mountable	
Dimensions		[mm]	M12 x 1 / L = 71	
Thread designation			M12 x 1	
Materials			brass white bronze coated; PC	
Displays / operating elements				
Display			switching status	1 x LED, red
Accessories				
Accessories (supplied)			lock nuts: 2	
Remarks				
Pack quantity			1 pcs.	

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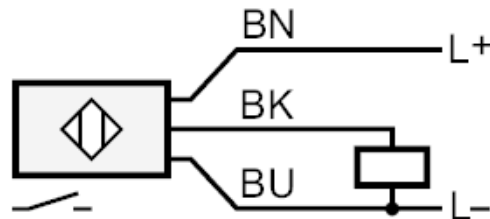
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Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



Core colours :

BN = brown
BU = blue
BK = black

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