

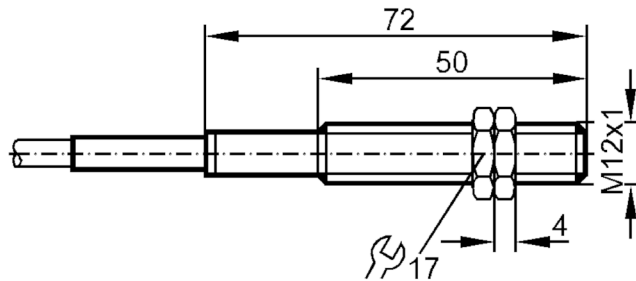
IF5060



Inductive sensor

IFA3002-BPOG/ 6m

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Electrical data

Operating voltage	[V]	10...55 DC
Current consumption	[mA]	7; (24 V)
Protection class		II
Reverse polarity protection		no

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1.5
Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	700
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	2
Real sensing range S_r	[mm]	$2 \pm 10\%$
Operating distance	[mm]	0...1.6

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of S_r]	3...15
Switch point drift	[% of S_r]	-10...10

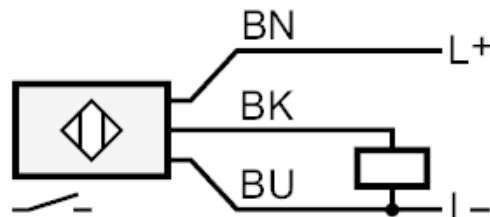
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Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67
Mechanical data	
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M12 x 1
Thread designation	M12 x 1
Materials	brass nickel-plated; PBT
Accessories	
Accessories (supplied)	lock nuts: 2
Remarks	
Pack quantity	1 pcs.
Electrical connection	
Cable: 6 m, PVC; 3 x 0.34 mm ²	
Connection	



Core colours :

BN = brown
BU = blue
BK = black

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