



Inductive sensor

IF-3004-ANKG/PPU

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Product characteristics

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

Electrical data

Operating voltage	[V]	10...55 DC
Current consumption	[mA]	5; (24 V)
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		NPN
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		yes (non-latching)
Overload protection		yes

Monitoring range

Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25

Accuracy / deviations

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

Operating conditions

Ambient temperature	[°C]	-25...80
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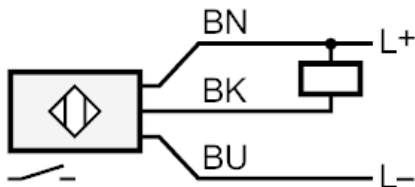
IF5533



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Protection		IP 67	
Mechanical data			
Housing		Threaded type	
Mounting		non-flush mountable	
Dimensions [mm]		M12 x 1 / L = 71	
Thread designation		M12 x 1	
Material		PBT	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			
Cable: 2 m, PUR / PVC; 3 x 0.34 mm²			
Connection			



	Core colors :
BK =	black
BN =	brown
BU =	blue