

IN5213



Inductive sensor

IN-3004-BPKG/6M/PH



- 1 fixing hole
2 threaded bush M3 Depth 5.8 mm



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	rectangular
Dimensions [mm]	40 x 12 x 26

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]	1300
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

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

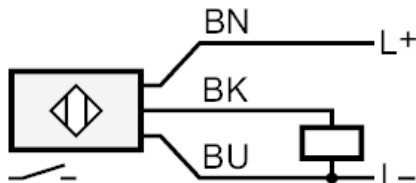
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Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature		°C	-25...80
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	1925	
Mechanical data			
Weight	[g]	288	
Housing		rectangular	
Mounting		non-flush mountable	
Dimensions	[mm]	40 x 12 x 26	
Materials		PBT	
Fixing hole			
Tightening torque		[Nm]	< 0.5
Threaded bush			
Tightening torque		[Nm]	< 1.2; (when brass insert in contact with counterpart)
Displays / operating elements			
Display		switching status	1 x LED, yellow
Remarks			
Pack quantity		1 pcs.	
Electrical connection			
Cable: 6 m, PUR; 3 x 0.5 mm²			
Connection			



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