



Inductive sensor

IN-3004-BPKG/3,5M/US



- 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
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]	1200
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
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	

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Hysteresis	[X01]	1...15
Switch point drift	[X01]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[ANN]	1925

Mechanical data

Weight	[g]	321
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 12 x 26
Materials		PBT; Lock nut: stainless steel

Fixing hole

Tightening torque	[Nm]	< 0.5
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Threaded bush

Tightening torque	[Nm]	< 1.2; (when brass insert in contact with counterpart)
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Displays / operating elements

Display	switching status	1 x LED, yellow
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Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 3.5 m, PVC; 3 x 0.14 mm²

Electrical connection - plug

Connector: 1 x M12; coding: A



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Connection

