

IN5131



Inductive sensor

IN-3004-BPKG/10M



- 1 mounting hole
- 2 threaded bush M3 Depth 5.8 mm
- 3 illustration (example)



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		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

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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
Protection	IP 67

Tests / approvals

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

Mechanical data

Weight [g]	485.5
Housing	rectangular
Mounting	non-flush mountable
Dimensions [mm]	40 x 12 x 26
Material	PBT

Mounting 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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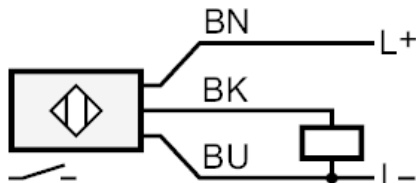
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 10 m, PVC; 3 x 0.5 mm²

Connection



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