

IN5011

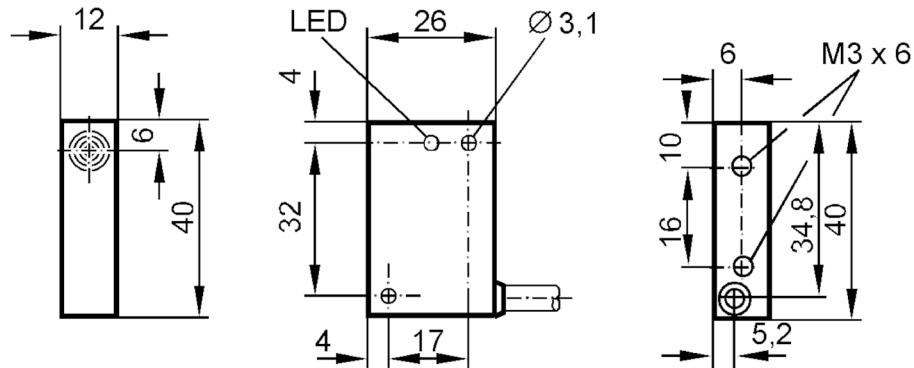


Inductive sensor

IN-3002LBNOG

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Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	7; (24 V)
Reverse polarity protection		no

Outputs

Electrical design		NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	1.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	800
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.85 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10

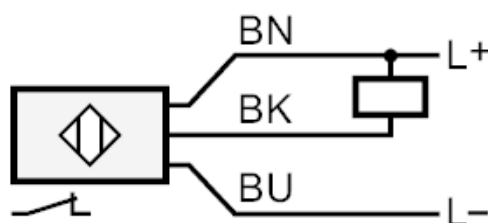
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Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Mechanical data		
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 12 x 26
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PUR; 3 x 0.5 mm ²		
Connection		



Core colours :

BK =	black
BN =	brown
BU =	blue

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