

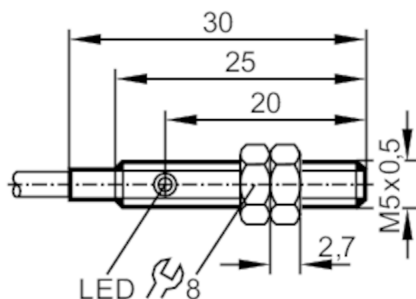
IY5004



Inductive sensor

IYB30,8-BNOG

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Product characteristics

Electrical design		NPN
Output function		normally closed
Sensing range	[mm]	0.8
Housing		threaded type
Dimensions	[mm]	M5 x 0.5 / L = 30

Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	10; (24 V)
Reverse polarity protection		no

Outputs

Electrical design		NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	1
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]	0.8
Real sensing range Sr	[mm]	0.8 ± 10 %
Operating distance	[mm]	0...0.65

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

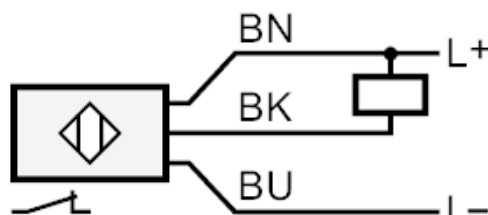
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Inductive sensor

IYB30,8-BNOG

Operating conditions		
Ambient temperature	[°C]	-25...50
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M5 x 0.5 / L = 30
Thread designation		M5 x 0.5
Materials		brass nickel-plated; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.14 mm ²		
Connection		



Core colours :

BN = brown
BU = blue
BK = black

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