

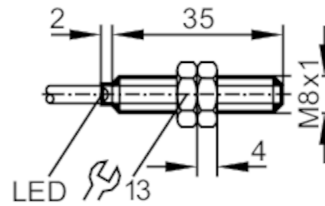
IE5374



Inductive sensor

IEB21,5-BRKG/0,5M

Article no longer available - archive entry



Product characteristics

Electrical design		PNP/NPN
Output function		normally closed
Sensing range	[mm]	1.5
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 37

Electrical data

Operating voltage	[V]	10...30 DC
Protection class		III
Reverse polarity protection		yes

Outputs

Electrical design		PNP/NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	2.8
Max. leakage current	[mA]	0.4
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	1.5
Real sensing range Sr	[mm]	1.5 ± 10 %
Operating distance	[mm]	0...1.2

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	0...60
Protection		IP 67

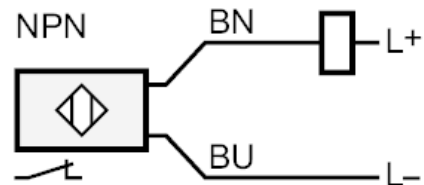
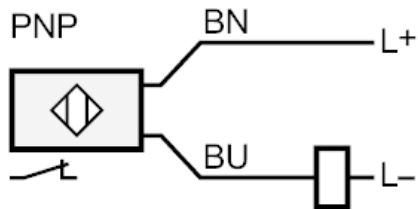
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Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Weight [g]		30.6
Housing		threaded type
Mounting		flush mountable
Dimensions [mm]		M8 x 1 / L = 37
Thread designation		M8 x 1
Materials		brass white bronze coated; sensing face: LCP
Tightening torque [Nm]		A = 5 mm: 1,5 Nm; B: 2 Nm
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 0.5 m, PPU; 2 x 0.14 mm ²		
Connection		



Core colours :
BN = brown
BU = blue

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Diagrams and graphs

Installation

