

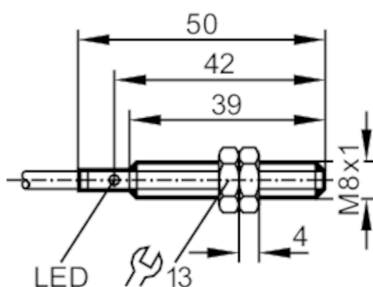
IE5142



Inductive sensor

IEA3001-BNOG/ 6m

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Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
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]	750
Notes on switching frequency		1000 nb
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	1
Real sensing range S_r	[mm]	$1 \pm 10\%$
Operating distance	[mm]	0...0.8

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of S_r]	1...15
Switch point drift	[% of S_r]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	class B
	EN 55011	

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Mechanical data	
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M8 x 1 / L = 50
Thread designation	M8 x 1
Materials	brass white bronze coated; PBT

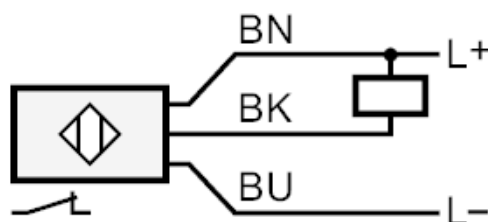
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection
Cable: 6 m, PVC; 3 x 0.14 mm²

Connection



Core colours :

BN = brown
BU = blue
BK = black

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