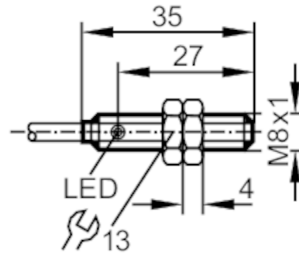


IE5193



Inductive sensor

IEC2002-AROG



Product characteristics

Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 35

Electrical data

Operating voltage	[V]	10...36 DC
Protection class		III
Reverse polarity protection		no

Outputs

Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	2.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.8
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	2000
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	2
Real sensing range S_r	[mm]	$2 \pm 10\%$
Operating distance	[mm]	0...1.6

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

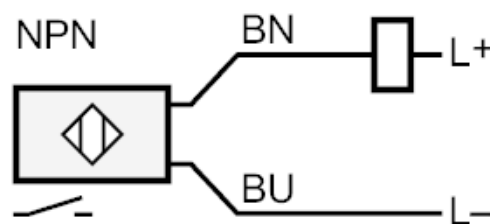
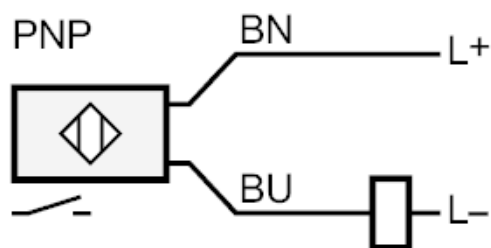
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Inductive sensor

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Tests / approvals		
EMC	EN 60947-5-2 EN 55011	class B
MTTF [years]	4603	
Mechanical data		
Weight [g]	38.5	
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M8 x 1 / L = 35	
Thread designation	M8 x 1	
Materials	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; 2 x 0.14 mm ²		
Connection		



Core colours :

BN = brown
BU = blue