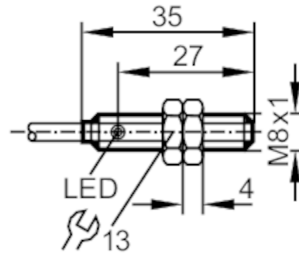


# IE5192



## Inductive sensor

IEC2002-BROG



### Product characteristics

Electrical design	PNP/NPN
Output function	normally closed
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 closed
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

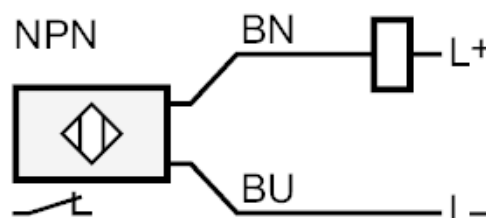
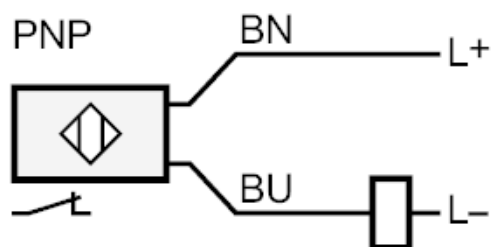
# IE5192



## Inductive sensor

IEC2002-BROG

Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	4529
Mechanical data		
Weight	[g]	38.4
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 <sup>2</sup>		
Connection		



Core colours :

BN = brown  
BU = blue