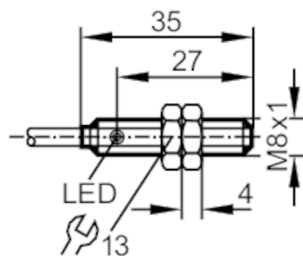


IE5413



Inductive sensor

IEB2001-BROG/3M/BH



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]	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

IE5413



Inductive sensor

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Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-5 Surge	0,5 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
	EN 55011 emission	class B
MTTF	[years]	5569

Mechanical data

Weight	[g]	79.4
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 35
Thread designation		M8 x 1
Materials		brass white bronze coated; PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Accessories (supplied)	lock nuts: 2
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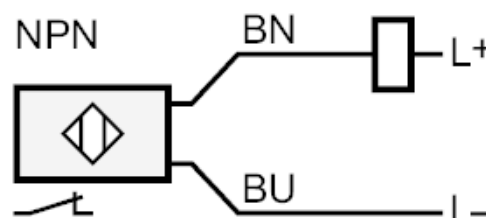
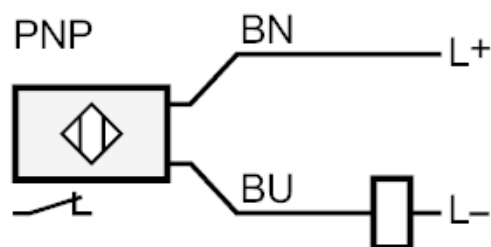
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 3 m, PUR, Halogen-free; 2 x 0.14 mm²

Connection



Core colours :

BN = brown

BU = blue