

Inductive sensor

IEB2001-BROG/3M BH

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Product characteristics

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

Application

System	Halogen-free
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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

Monitoring range

Sensing range [mm]	1
Real sensing range Sr [mm]	1 ± 10 %
Operating distance [mm]	0...0.8

Accuracy / deviations

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

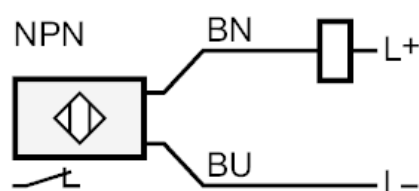
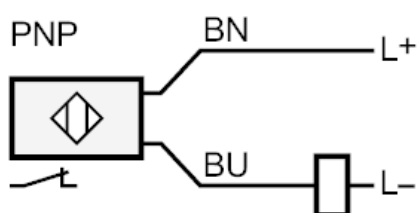
IE5363



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Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	5707
Mechanical data		
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 35
Thread designation		M8 x 1
Material		housing: brass white bronze coated; sensing face: PBT
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 3 m, PVC, Halogen-free; 2 x 0.14 mm ²		
Connection		



BN = Core colors :
brown
BU = blue