IE5200

Inductive sensor

IEB3001-BPOG/6M/PH

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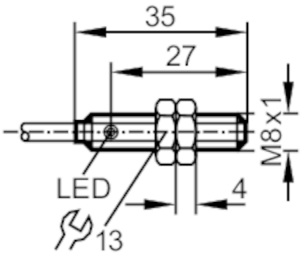

Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	1
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 35
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	10; (24 V)
Protection class		II
Reverse polarity protection		no
Outputs		
Electrical design		PNP
Output function		normally open
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	[Hz]	1000 nb
Short-circuit protection		no
Overload protection		no
Detection zone		
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 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80

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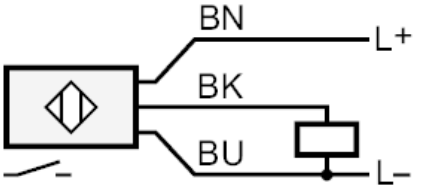
Protection			IP 67
Tests / approvals			
MTTF	[years]		2804
Mechanical data			
Housing			threaded type
Mounting			flush mountable
Dimensions	[mm]		M8 x 1 / L = 35
Thread designation			M8 x 1
Materials			brass nickel-plated; PBT
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied			lock nuts: 2
Remarks			
Pack quantity			1 pcs.
Electrical connection			

Cable: 6 m, PUR; highly flexible; 3 x 0.14 mm²

Connection



	Core colours :
BK =	black
BN =	brown
BU =	blue