IE5243

Inductive sensor

IEA3002,5BPOG

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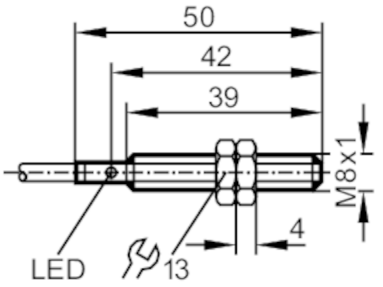

Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2.5
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 50
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Reverse polarity protection		no
Outputs		
Electrical design		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]	300
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	2.5
Real sensing range Sr	[mm]	2.5 ± 10 %
Operating distance	[mm]	0...2.03
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...20
Operating conditions		
Ambient temperature	[°C]	-15...70
Protection		IP 65
Mechanical data		
Housing		threaded type
Mounting		non-flush mountable

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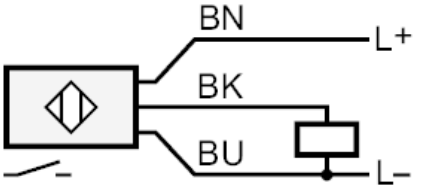
Dimensions	[mm]	M8 x 1 / L = 50	
Thread designation		M8 x 1	
Materials		brass nickel-plated; sensing face: PBT	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 2 m, PVC; 3 x 0.14 mm²

Connection



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