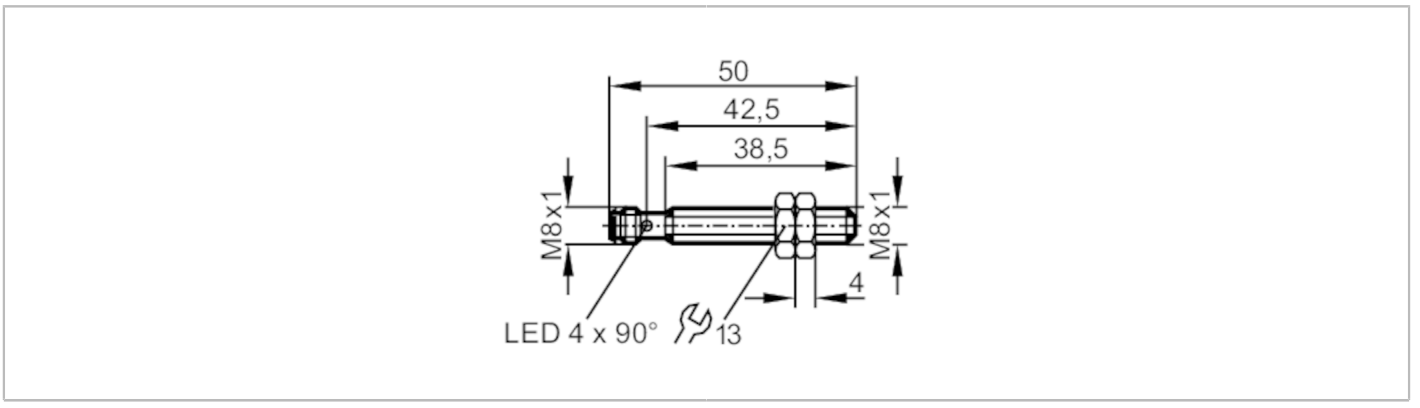
IE5375

Inductive sensor

IEB3002BBPKG/SC/AS



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 50
Application		
Special feature		Increased sensing range; anti-spatter
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
Increased sensing range		yes
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3

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Hysteresis	[% of Sr]	1...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 65; (with ifm socket duly screwed on: IP 67)	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	1379	
UL approval		Ta	-25...80 °C
		Enclosure type	Type 1
		power supply	Class 2
		File number UL	E174191
Mechanical data			
Weight	[g]	17.55	
Housing		threaded type	
Mounting		flush mountable	
Dimensions	[mm]	M8 x 1 / L = 50	
Thread designation		M8 x 1	
Materials		brass anti-spatter; sensing face: LCP black; LED window: PPSU; lock nuts: brass anti-spatter	
Tightening torque	[Nm]	A = 5 mm: 1,5 Nm; B = 2 Nm	
Displays / operating elements			
Display		switching status	4 x 90° LED, yellow
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	
Electrical connection - plug			

Connector: 1 x M8; coding: A



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Connection

