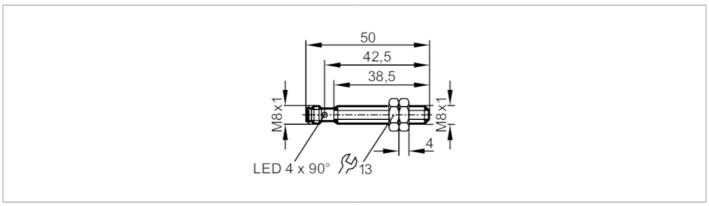
IE5328

Inductive sensor

IEB3002BBPKG/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
Electrical data		
Operating voltage	[V]	1030 DC
Current consumption	[mA]	< 10
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	g [V]	2.5
Permanent current rating o switching output DC	f [mA]	100
Switching frequency DC	[Hz]	1300
Short-circuit protection		yes
Overload protection		yes
Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	01.62
Increased sensing range		yes
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	120
Switch point drift	[mm]	-1010

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Inductive sensor





Ambient temperature [°C] 070 Protection IP 65; (with ifm socket duly screwed on) Tests / approvals EMC EN 60947-5-2 MTTF [years] 1379 Embedded software included yes UL approval Ta 070 °C Enclosure type Type 1 power supply Limited Voltage/Current UL Approval no. A017 File number UL E174191 Mechanical data Weight [g] 18.9 Housing threaded type Mounting flush mountable Dimensions [mm] M8 x 1 / L = 50 Thread designation M8 x 1 M8 x 1 Materials brass white bronze coated; sensing face: LCP orange; LED window: PPSU; lock nuts: brass white bronze coated Tightening torque [Nm] A = 5 mm: 2 Nm; B = 5 Nm Displays / operating elements Displays / operating elements Jeck quantity LED, yellow Accessories Items supplied Leck	Operating conditions					
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Display switching status 4 LED, yellow Accessories Items supplied lock nuts: 2 Remarks Pack quantity 1 pcs. Electrical connection - plug	Tightening torque	[Nm]		A = 5 mm: 2 Nm; B = 5 Nm		
Accessories Items supplied lock nuts: 2 Remarks Pack quantity 1 pcs. Electrical connection - plug	Displays / operating ele	ements				
Items supplied lock nuts: 2 Remarks Pack quantity 1 pcs. Electrical connection - plug	Display		switching status	4 LED, yellow		
Remarks Pack quantity 1 pcs. Electrical connection - plug	Accessories					
Pack quantity 1 pcs. Electrical connection - plug	Items supplied		lock nuts: 2			
Electrical connection - plug	Remarks					
	Pack quantity			1 pcs.		
Connector: 1 x M8; coding: A	Electrical connection -	plug				

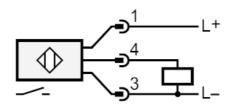
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Connection



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