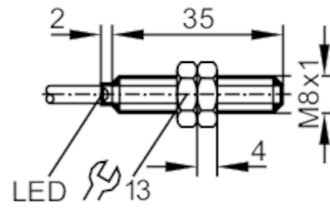


IE5343



Inductive sensor

IEBC003BASKG



Product characteristics	
Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	3
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 37
Electrical data	
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10; (only in 3-wire operation)
Protection class	III
Reverse polarity protection	yes
Outputs	
Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	2.8
Minimum load current [mA]	2; (only in 2-wire operation)
Max. leakage current [mA]	0.5; (only in 2-wire operation)
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes
Detection zone	
Sensing range [mm]	3
Operating distance [mm]	0...2.4
Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis [% of Sr]	1...15
Operating conditions	
Ambient temperature [°C]	0...70
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2

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MTTF	[years]	1517
UL approval	Ta	-25...80 °C
	Enclosure type	Type 1
	power supply	Limited Voltage/Current
	File number UL	E174191

Mechanical data

Weight	[g]	51.5
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 37
Thread designation		M8 x 1
Materials		brass white bronze coated; sensing face: LCP
Tightening torque	[Nm]	A = 5 mm: 1,5 Nm; B: 2 Nm

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.14 mm²

Connection



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

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Diagrams and graphs

Installation

