

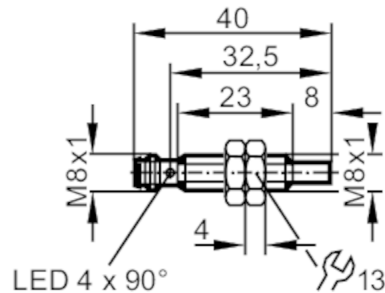
Inductive sensor

IEBC004-ASKG/AS-514

Article no longer available - archive entry

Alternative articles: IE5340

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	4
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 40

Electrical data

Operating voltage [V]	10...30 DC; (; to PELV)
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
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	700
Notes on switching frequency [Hz]	at I (load) ≥ 10 mA
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	4
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IE5357



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Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	0...60
Protection		IP 67; (if screwed on)
Tests / approvals		
EMC	EN 60947-5-2	
UL approval	Ta	0...60 °C
	power supply	Class 2
Mechanical data		
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M8 x 1 / L = 40
Thread designation		M8 x 1
Materials		stainless steel; LCP
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

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Electrical connection - plug

Connector: 1 x M8; coding: A

