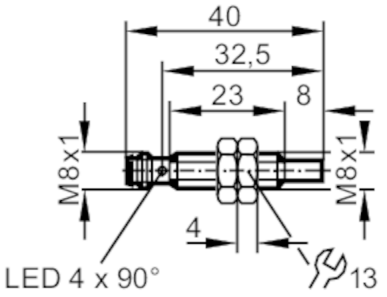
IE5340

Inductive sensor

IEBC005-ASKG/V4A/AS



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	5
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]	3.5
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]	600
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	5
Real sensing range Sr	[mm]	5 ± 10 %
Operating distance	[mm]	0...4.05
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...20

IE5340

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Switch-point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	0...60	
Protection		IP 65; IP 67; (with ifm socket duly screwed on)	
Tests / approvals			
EMC		EN 61000-4-2 ESD	4 kV CD / 8 kV AD
		EN 61000-4-3 HF radiated	10 V/m
		EN 61000-4-4 Burst	2 kV
		EN 61000-4-5 Surge	0,5 kV line to line, Ri: 2 Ohm
		EN 61000-4-6 HF conducted	10 V
		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	1864	
UL approval		Ta	-25...80 °C
		Enclosure type	Type 1
		voltage supply	Class 2
		File number UL	E174191
Mechanical data			
Weight	[g]	13.8	
Housing		Threaded type	
Mounting		non-flush mountable	
Dimensions	[mm]	M8 x 1 / L = 40	
Thread designation		M8 x 1	
Material		stainless steel; sensing face: LCP orange; lock nuts: stainless steel	
Tightening torque	[Nm]	A = 5 mm: ≤ 2 Nm; B: ≤ 6 Nm	
Displays / operating elements			
Display		Switching status	4 x 90° LED, yellow
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	

IE5340

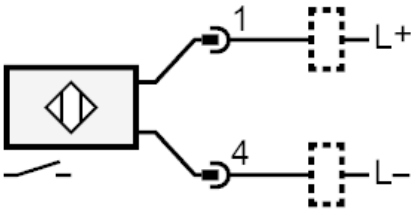
Inductive sensor

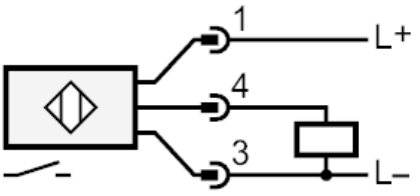
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Electrical connection - plug

Connector: 1 x M8; coding: A







Diagrams and graphs

Installation

