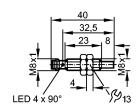


IE5340



IEBC005-ASKG/V4A/AS Inductive sensors



CE CUDUS EM			
Product characteristics			
Inductive sensor			
Metal thread M8 x 1			
Quick disconnect			
Operation as 3-wire or 2-w	ire possible		
Sensing range 5 mm; [nf] r	•	untable	
Electrical data			
Electrical design		3-wire DC PNP; 2-wire DC PNP/NPN	
Operating voltage	[V]	1030 DC; to PELV; cULus - Class 2 source required	
Current consumption	[mA]	< 10 only in 3-wire operation	
Protection class		, III	
Reverse polarity protection		yes	
Outputs			
Output function		norm	nally open
Voltage drop	[V]	< 3.5	
Minimum load current	[mA]	2; only in 2-wire operation	
Leakage current	[mA]	< 0.5; only in 2-wire operation	
Current rating	[mA]	100	
Short-circuit protection		yes (non-latching)	
Overload protection		yes	
Switching frequency	[Hz]	600	
Monitoring range			
Sensing range	[mm]	5	
Real sensing range (Sr)	[mm]	5 ± 10 %	
Operating distance	[mm]	04.05	
Accuracy / deviations			
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx.	
		0.4 / copper approx. 0.3	
Hysteresis	[% of Sr]	120	
Switch-point drift	[% of Sr]	-1010	
Environment			
Ambient temperature	[°C]	060	
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: 20hm)

EN 61000-4-6 HF conducted: 10 V

EN 60947-5-2 EN 55011:

class B

MTTF [Years] 2046 Mechanical data

Mounting non-flush mountable

IE5340 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Housing materials			LCP orange; lock nuts: high-grade stainless steel
Installation		B A	
Tightening torque	[Nm]	≤ 2 (A = 5 mm) ≤ 6 (B)	
Weight	[kg]		.018
Displays / operating eleme	ents		
Output status indication	LED	yellow	(4 x 90°)
Electrical connection			
Connection		M8 connector	
Wiring 4 1 3			
Accessories			
Accessories (included)		2 lo	ck nuts
Remarks	۰۱		
Pack quantity	[piece]		1

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