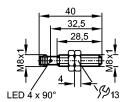


IE5338

Housing materials



IEBC003BASKG/AS Inductive sensors



LED 4 x 90° 7,713		
C € cULus [A[
Product characteristics		
Inductive sensor		
Metal thread M8 x 1		
Quick disconnect		
Operation as 3-wire or 2-v	wire nossihle	
Sensing range 3 mm; [f] fl		
Electrical data	usii iiiouiilab	<u>e</u>
Electrical design	1	3-wire DC PNP; 2-wire DC PNP/NPN
Operating voltage	D/I	1030 DC; to PELV; cULus - Class 2 source required
Current consumption	[V]	< 15 only in 3-wire operation
<u>-</u>	[mA]	III
Protection class		
Reverse polarity protectio	n	yes
Outputs Output function	1	normally onen
Output function	Р. Л	normally 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]	800
Monitoring range		
Sensing range	[mm]	3
Operating distance	[mm]	02.4
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
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 55011: class B
NATTE	D/ 7	EN 60947-5-2
MTTF	[Years]	2046
Mechanical data	1	fluele me telele
Mounting		flush mountable

brass special coating; active face: LCP orange; lock nuts: brass

IE5338 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Installation	B A B A
Tightening torque [Nm]	≤ 1 (A = 5 mm) ≤ 2 (B)
Weight [kg]	
Displays / operating elements	
Output status indication LED	yellow (4 x 90°)
Electrical connection	
Connection	M8 connector
Wiring 4 1 3	—————————————————————————————————————
Accessories	
Accessories (included)	2 lock nuts
Remarks	
Pack quantity [piece]	1

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