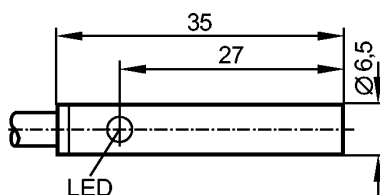


efector100

IT5038

ITB3001-BPKG/10M/PH

Inductive sensors


CE EAC
Product characteristics

Inductive sensor
 Metal housing Ø 6.5 mm
 Cable
 Sensing range 1 mm; [f] flush mountable

Electrical data

Electrical design		DC PNP
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15 (24 V)
Protection class		III
Reverse polarity protection		yes

Outputs

Output function		normally open
Voltage drop	[V]	< 2.5
Current rating	[mA]	200
Short-circuit protection		yes
Overload protection		yes
Switching frequency	[Hz]	900

Range

Sensing range	[mm]	1
Real sensing range (Sr)	[mm]	1 ± 10 %
Operating distance	[mm]	0...0.8

Accuracy / deviations

Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10

Environment

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2	
		EN 55011:	class B
MTTF	[Years]		5542

Mechanical data

Mounting		flush mountable
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Housing materials	Brass white bronze coated; active face: PBT	
Weight	[kg]	0.188
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection	PVC cable / 2 m; 3 x 0.14 mm ²	
Wiring		
Core colours		
BN	brown	
BU	blue	
BK	black	
Accessories		
Accessories (included)	Mounting clamp	
Remarks		
Pack quantity	[piece]	1

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