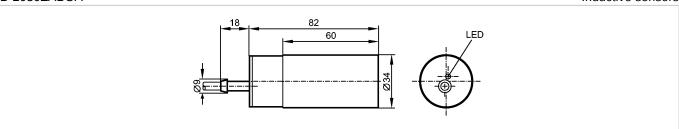
efectorioo B0117



IB-2030ZABOA Inductive sensors





Product characteristics

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Product Characteristics	
Inductive sensor	
Plastic housing Ø 34 mm	
Cable	
Sensing range 30 mm; [nf] non-flush mountable	

Electrical data		
Electrical design		AC/DC
Operating voltage	[V]	20250 AC/DC
Protection class		II
Dovorce polarity protection		no

Operating voltage	20250 AC/DC
Protection class	II
Reverse polarity protection	no
Outputs	
Output function	normally open
Voltage drop [< 6.5 AC / < 6 DC
Minimum load current [m/	5

Leakage current	[mA]	< 2.5 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)	
Current rating			
- Current rating (continuous)	[mA]	100 AC / 100 DC; 350 AC (50 °C)	
- Current rating (peak)	[mA]	î: 2.2 A (20 ms / 0.5 Hz)	
Short-circuit proof		no	
Overload protection		no	
Switching frequency	[Hz]	25 AC / 30 DC	
Range			

William load carrent	[1117 1]	9	
Leakage current	[mA]	< 2.5 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)	
Current rating			
- Current rating (continuous)	[mA]	100 AC / 100 DC; 350 AC (50 °C)	
- Current rating (peak)	[mA]	î: 2.2 A (20 ms / 0.5 Hz)	
Short-circuit proof		no	
Overload protection		no	
Switching frequency	[Hz]	25 AC / 30 DC	
Range			
Sensing range	[mm]	30	
Real sensing range (Sr)	[mm]	30 ± 10 %	
Operating distance	[mm]	024.3	
Accuracy / deviations			
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu	

rtour conomy range (cr)	[]	
Operating distance	[mm]	024.3
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]	115
Switch-point drift	[% of Sr]	-1515
Environment		
Ambient temperature	l _o CJ	-25 100

Ambient temperature	[°C]	-25100
Protection		IP 67
Tests / approvals	,	

MTTF	[Years]		609	
		EN 55011 (Emission):	class B	
		EN 61000-4-6 HF conducted:	3 V	
		EN 61000-4-4 Burst:	2 kV	
		EN 61000-4-3 HF radiated:	3 V/m	
EMC		EN 61000-4-2 ESD:	4 kV CD / 8 kV AD	
resis i approvais				

Mechanical data		
Mounting		non-flush mountable
Housing materials		housing: PBT
Weight	[kg]	0.045
Disales a Lease and the second		

Displays / operating elements

IB0117 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication	LED	yellow
Electrical connection		
Connection		silicone cable / 2 m
Wiring		
Core colours		
BN brown		
BU blue	BN	— I1
	BU	
No	te: miniature fus	se to IEC60127-2 sheet 1,
≤ 2	2 A (fast acting)	
Remarks		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	[piece]	1

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