efector100

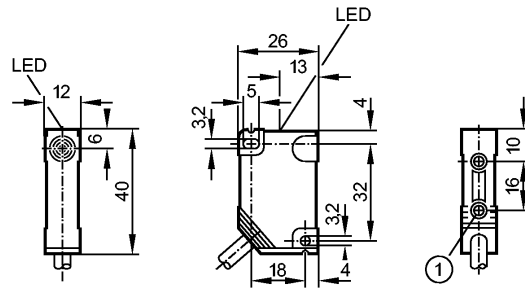## IN5125
IN-3002-ANKG

1: threaded insert M3, depth 5.8 mm, max. tightening torque 1.2 Nm (screw fixing class 8.8) when brass insert in contact with counterpart.

CE EAC

Product characteristics	
Inductive sensor	
Rectangular, plastics	
Cable	
Sensing range 2 mm; [f] flush mountable	

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

Outputs		
Output function		normally open
Voltage drop	[V]	< 2.5
Current rating	[mA]	250
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency	[Hz]	1400

Monitoring range		
Sensing range	[mm]	2
Real sensing range (Sr)	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6

Accuracy / deviations		
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper 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
MTTF	[Years]	1781

Mechanical data	

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IN5125
IN-3002-ANKG

Inductive sensors

Mounting		flush mountable
Housing materials		PBT
Weight	[kg]	0.112

Displays / operating elements		
Output status indication	LED	yellow

Electrical connection	
Connection	PVC cable / 2 m; 3 x 0.5 mm²

Wiring
Core colors
BN   brown
BU   blue
BK   black
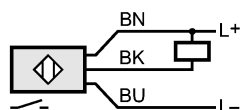
Remarks		
Pack quantity	[piece]	1