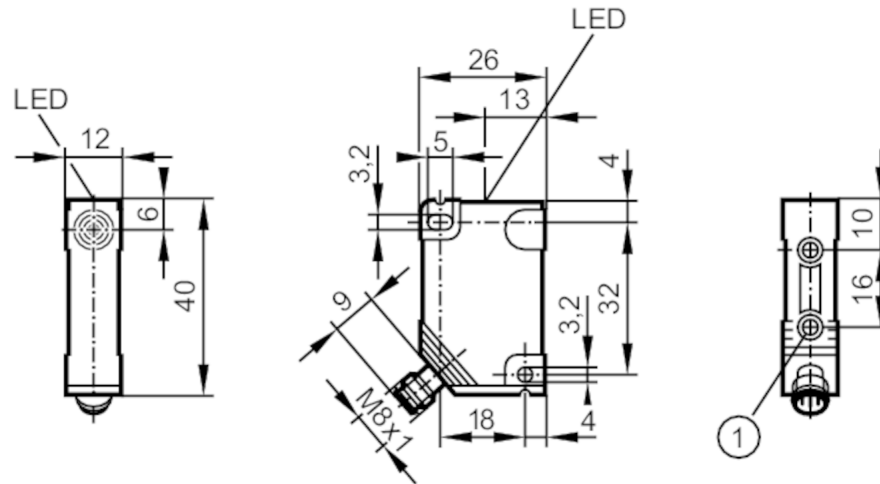


IN5230



Inductive sensor

IN-3002-BPKG/AS-610-T



- 1 threaded bush M3 Depth 5.8 mm
Tightening torque maximum 1.2 Nm screw fixing class 8.8
when brass insert in contact with counterpart



Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2
Housing		rectangular
Dimensions	[mm]	40 x 12 x 26

Electrical data

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

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	1400
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

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

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Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis [% of Sr]	1...15	
Switch point drift [% of Sr]	-10...10	

Operating conditions

Ambient temperature [°C]	-20...80	
Protection	IP 67	

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	2577	
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Hazardous voltage
	File number UL	E174191

Mechanical data

Weight [g]	20.2	
Housing	rectangular	
Mounting	flush mountable	
Dimensions [mm]	40 x 12 x 26	
Materials	PBT	

Displays / operating elements

Display	switching status	1 x LED, yellow
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Remarks

Pack quantity	1 pcs.	
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Electrical connection - plug

Connector: 1 x M8



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Connection

