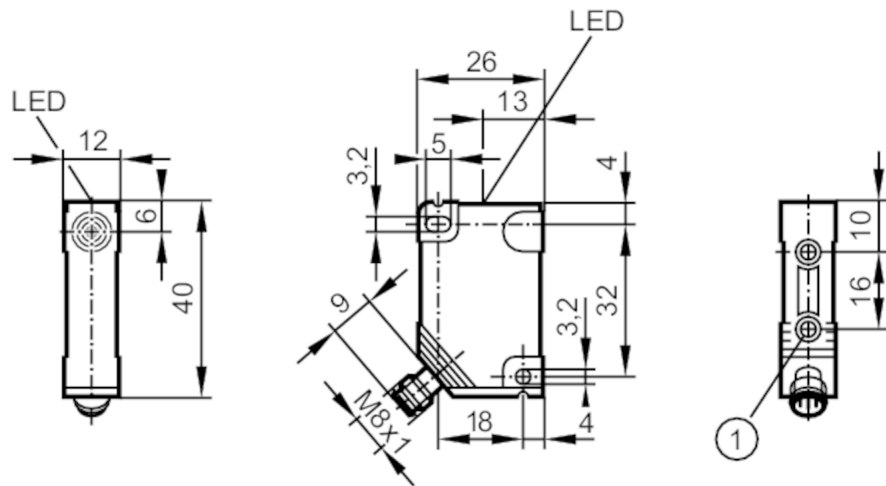


IN5370



Inductive sensor

IN-3003-BPKG/AS-610-TPS



- 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]	3
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]	1200
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	3
Real sensing range Sr	[mm]	3 ± 10 %
Operating distance	[mm]	0...2.4

IN5370



Inductive sensor

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Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis [% of Sr]		3...15
Switch point drift [% of Sr]		-10...10

Operating conditions

Ambient temperature [°C]	-20...80
Protection	IP 65

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	2577	

Mechanical data

Weight [g]	21.9
Housing	rectangular
Mounting	quasi flush
Dimensions [mm]	40 x 12 x 26
Materials	housing: PBT; sensing face: PBT orange

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; coding: A; Locking: brass, white bronze coated



Connection

