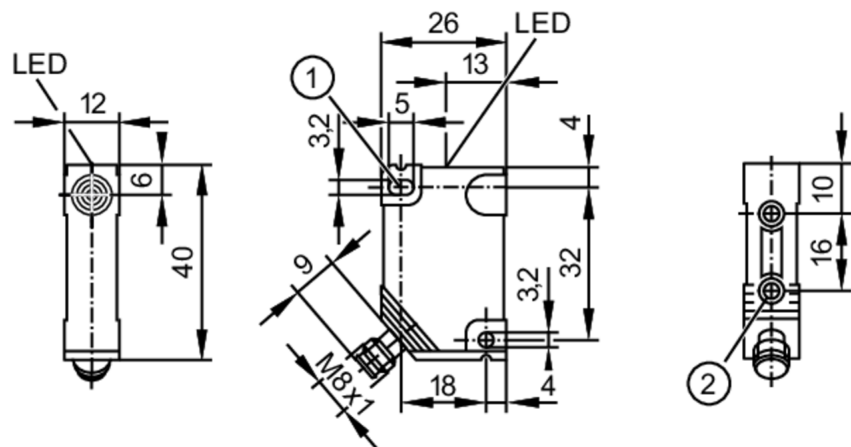


IN5370



Inductive sensor

IN-3003-BPKG/AS-610-TPS



- 1 mounting hole
2 threaded bush M3 Depth 5.8 mm



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	yes (non-latching)
Overload protection	yes

Monitoring range

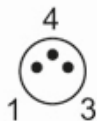
Sensing range [mm]	3
Real sensing range Sr [mm]	$3 \pm 10 \%$
Operating distance [mm]	0...2.4

IN5370



Inductive sensor

IN-3003-BPKG/AS-610-TPS

Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 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
Material		housing: PBT; sensing face: PBT orange
Mounting hole		
Tightening torque	[Nm]	< 0.5
Threaded bush		
Tightening torque	[Nm]	< 1.2; (when brass insert in contact with counterpart)
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Connector: 1 x M8; coding: A; Locking: brass, white bronze coated		
		

IN5370



Inductive sensor

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Connection

