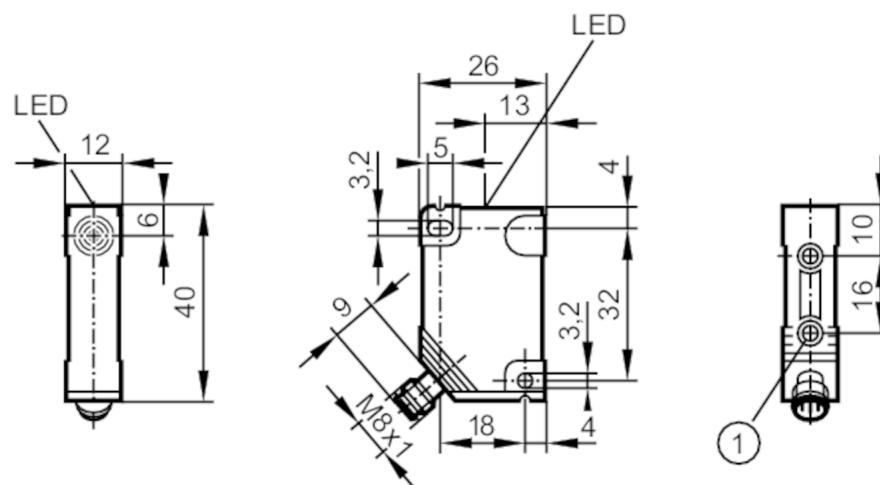


IN5230



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	yes (non-latching)
Overload protection	yes

Monitoring range

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

IN5230



Inductive sensor

IN-3002-BPKG/AS-610-T

Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 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]	19.8
Housing	rectangular	
Mounting	flush mountable	
Dimensions	[mm]	40 x 12 x 26
Material	PBT	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M8; coding: A		
		

IN5230

Inductive sensor

IN-3002-BPKG/AS-610-T



Connection

