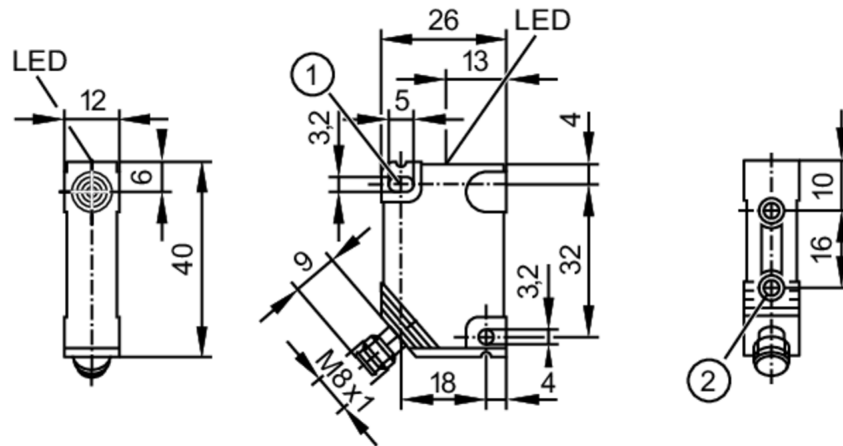


IN5212



Inductive sensor

IN-3004-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]	4
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]	1300
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range


Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25

IN5212



Inductive sensor

IN-3004-BPKG/AS-610-TPS

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]	-25...80	
Protection	IP 65	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	1925	
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	File number UL	E174191
Mechanical data		
Weight [g]	20.5	
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions [mm]	40 x 12 x 26	
Material	PBT	
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		
		

IN5212



Inductive sensor

IN-3004-BPKG/AS-610-TPS

Connection

