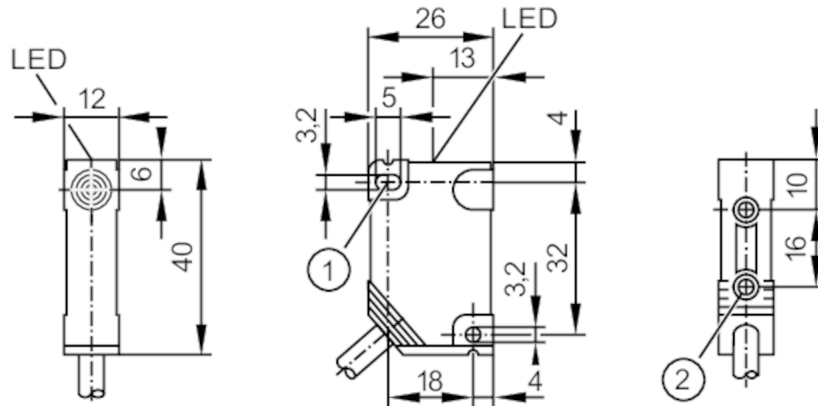


# IN5329



## Inductive sensor

IN-3002-BPKG/6M



- 1 fixing hole  
2 threaded bush M3 Depth 5.8 mm



### 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		II
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 $S_r$	[mm]	$2 \pm 10\%$
Operating distance	[mm]	0...1.6

# IN5329



## Inductive sensor

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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]	-25...80	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	1654	
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	File number UL	E174191
Mechanical data		
Weight [g]	278.5	
Housing	rectangular	
Mounting	flush mountable	
Dimensions [mm]	40 x 12 x 26	
Materials	housing: PBT	
Fixing 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.	

# IN5329



## Inductive sensor

IN-3002-BPKG/6M

### Electrical connection

Cable: 6 m, PUR / PVC; 3 x 0.5 mm<sup>2</sup>

### Connection



Core colours :  
BN = brown  
BU = blue  
BK = black