

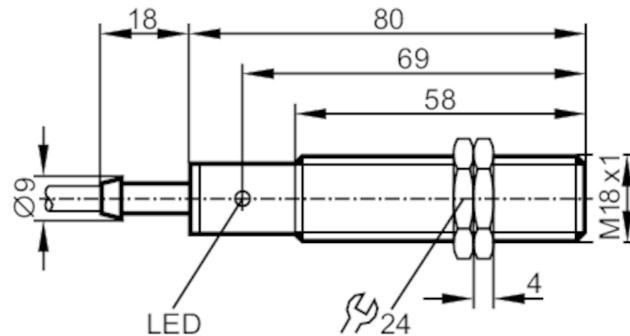
# IG5340



## Inductive sensor

IG-3005-BPKG/10M

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### 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]	500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

### Detection zone

Sensing range	[mm]	5
Real sensing range $S_r$	[mm]	$5 \pm 10\%$
Operating distance	[mm]	0...4.05

### Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of $S_r$ ]	1...15
Switch point drift	[% of $S_r$ ]	-10...10

### Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

### Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	1884

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Mechanical data	
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M18 x 1 / L = 80
Thread designation	M18 x 1
Materials	PBT

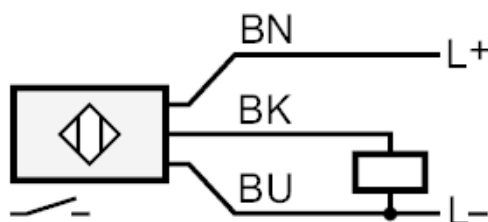
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

**Electrical connection**  
Cable: 10 m, PVC; 3 x 0.5 mm<sup>2</sup>

### Connection



Core colours :

- BK = black
- BN = brown
- BU = blue

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