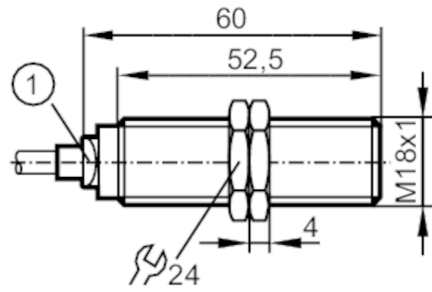


# IG7104



## Inductive sensor

IGK3005-BPKG/2M/PUR



1 LED yellow



### Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	5
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 60

### Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10
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]	100
Switching frequency DC [Hz]	400
Short-circuit protection	yes
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: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis [% of $S_r$ ]	3...15
Switch point drift [% of $S_r$ ]	-10...10

### Operating conditions

Ambient temperature [°C]	-25...75
Protection	IP 67

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IGK3005-BPKG/2M/PUR

Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[years]	1710
UL approval	Ta	-25...75 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	UL Approval no.	A002
	File number UL	E174191
Mechanical data		
Weight	[g]	117
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 60
Thread designation		M18 x 1
Materials		housing: brass white bronze coated; sensing face: PBT orange; LED window: PEI; lock nuts: brass white bronze coated
Tightening torque	[Nm]	25
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

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## Inductive sensor

IGK3005-BPKG/2M/PUR

### Electrical connection

Cable: 2 m, PUR, Ø 4.0 mm; 3 x 0.34 mm<sup>2</sup>

### Connection



Core colours :

BK =	black
BN =	brown
BU =	blue