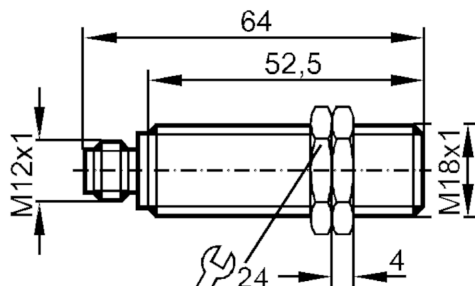




## Inductive sensor

IGK3005-BPKG/V4A/US-100-DPS



## Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	5
Housing	Threaded type
Dimensions [mm]	M18 x 1

## 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]	500
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

## Monitoring range

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

## Accuracy / deviations

Hysteresis [% of $S_r$ ]	1...15
Switch-point drift [% of $S_r$ ]	-10...10

## Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 65

# IG5744



## Inductive sensor

IGK3005-BPKG/V4A/US-100-DPS

### Tests / approvals

EMC	EN 60947-5-2	
MTTF [years]		1884
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Hazardous voltage
	File number UL	E174191

### Mechanical data

Weight [g]	56.8
Housing	Threaded type
Mounting	flush mountable
Dimensions [mm]	M18 x 1
Thread designation	M18 x 1
Material	stainless steel (1.4571/316Ti); PBT uncolored

### Accessories

Items supplied	lock nuts: 2
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### Remarks

Pack quantity	1 pcs.
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### Electrical connection - plug

Connector: 1 x M12; coding: A



### Connection

