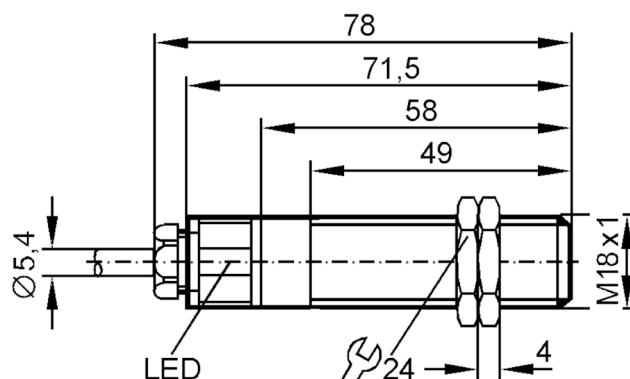


Inductive sensor

IGK3005-BPKG/V4A/10M

Article no longer available - archive entry



Product characteristics

Electrical design	PNP
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	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
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
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IG6009



Inductive sensor

IGK3005-BPKG/V4A/10M

Sensing range adjustable	no
Real sensing range Sr [mm]	5 ± 10 %
Operating distance [mm]	0...4.05

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.66 / brass: 0.42 / aluminium: 0.37 / copper: 0.3
Hysteresis [% of Sr]	3...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

Mechanical data

Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M18 x 1
Thread designation	M18 x 1
Materials	stainless steel (316Ti/1.4571); POM; PES

Displays / operating elements

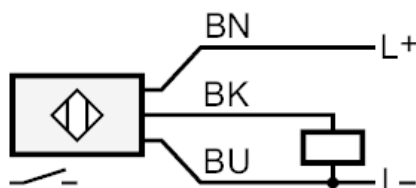
Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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Electrical connection

Connection



	Core colours
BN	brown
BK	black
BU	blue