

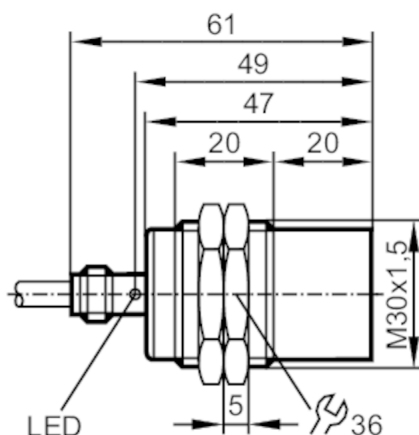
Inductive sensor

IIK3015-BPKG/II2M

Article to be discontinued

Alternative articles: IGS245

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	15
Housing	Threaded type
Dimensions [mm]	M30 x 1.5 / L = 61

Electrical data

Operating voltage [V]	15...30 DC
Current consumption [mA]	< 15
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]	200
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	15
Real sensing range S_r [mm]	$15 \pm 10 \%$
Operating distance [mm]	0...12.1



Inductive sensor

IIK3015-BPKG/II2M

Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.6 / brass: 0.4 / aluminum: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	1...20	
Switch-point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature		[°C]	-25...70
Protection		IP 67	
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	3 V
		EN 55011 emission	class B
MTTF	[years]	1122	
UL approval		Ta	-25...70 °C
		Enclosure type	Type 1
		voltage supply	Limited Voltage/Current
		File number UL	E174191
Mechanical data			
Weight		[g]	166
Housing		Threaded type	
Mounting		non-flush mountable	
Dimensions		[mm]	M30 x 1.5 / L = 61
Thread designation		M30 x 1.5	
Material		housing: brass nickel-plated; sensing face: PBT; lock nuts: brass	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	

II7105



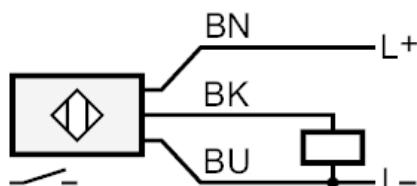
Inductive sensor

IIK3015-BPKG/II2M

Electrical connection

Cable: 2 m, PVC, Ø 4.9 mm; 3 x 0.34 mm²

Connection



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