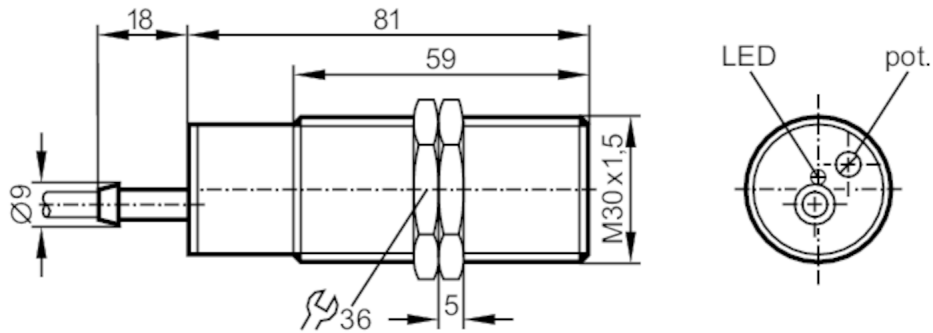


KI5015

Capacitive sensor

KI-3015-ANKG/NI



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	13; (24 V)
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		NPN
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]	40
Short-circuit proof		yes
Overload protection		yes

Detection zone

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

Accuracy / deviations

Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis	[% of S_r]	1...15
Switch point drift	[% of S_r]	-15...15

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 65
Increased immunity		yes; (increased immunity to conducted radio frequency interference)

KI5015



Capacitive sensor

KI-3015-ANKG/NI

Tests / approvals		
EMC	EN 60947-5-2	
Shock resistance	EN 60068-2-27	30 g 6 shocks / 11 ms half-sine (x, y, z)
Vibration resistance	EN 60068-2-6	(10...55 Hz) / 1 mm amplitude, oscillation period 5 min., 30 min. per axis at resonance or 55 Hz
MTTF [years]	738	

Mechanical data		
Weight [g]	193.8	
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M30 x 1.5 / L = 81	
Thread designation	M30 x 1.5	
Materials	PBT	

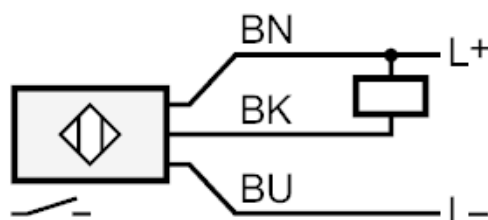
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories		
Accessories (supplied)	lock nuts: 2	
	screwdriver: 1	

Remarks		
Pack quantity	1 pcs.	

Electrical connection		
Cable: 2 m, PVC; 3 x 0.5 mm ²		

Connection



Core colours :

BN =	brown
BU =	blue
BK =	black