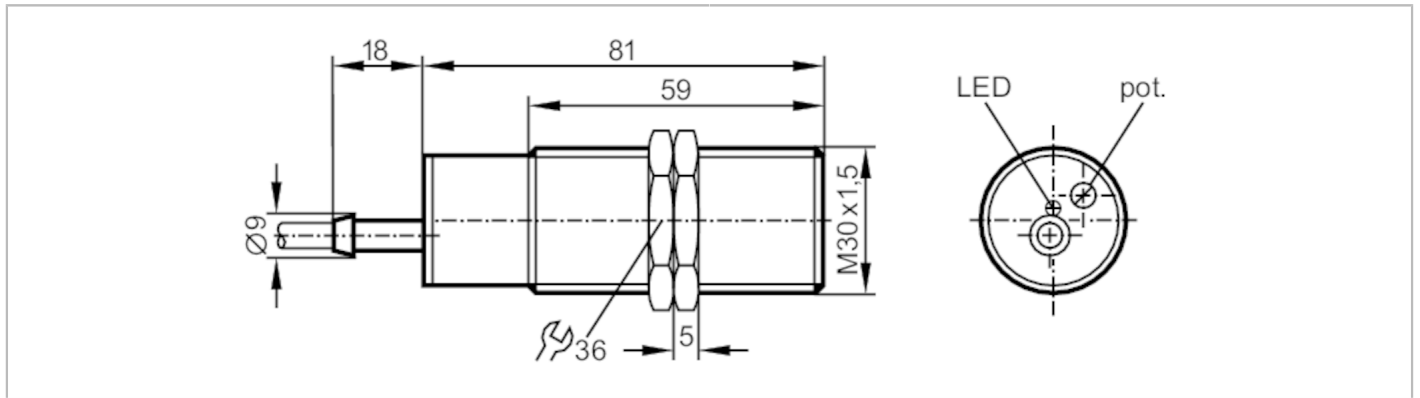


KI5081



Capacitive sensor

KI-3015-ANKG/NI/6M



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)

KI5081



Capacitive sensor

KI-3015-ANKG/NI/6M

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]	364.4
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M30 x 1.5 / L = 81
Thread designation	M30 x 1.5
Materials	PBT

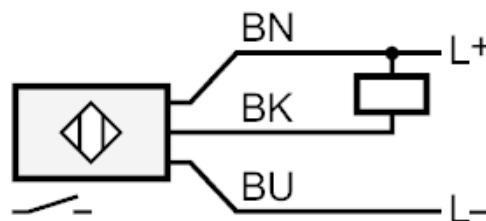
Displays / operating elements		
Display	switching status	1 x LED, yellow

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

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 6 m, PVC; 3 x 0.5 mm ²	

Connection



Core colours :

BN = brown
BU = blue
BK = black