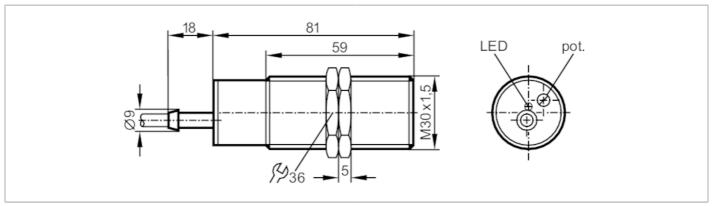
KI5001

Capacitive sensor

KI-3015-APKG/NI







Product characteristics					
Electrical design		PNP			
Output function		normally closed			
Sensing range	[mm]	15			
Housing		threaded type			
Dimensions	[mm]	$M30 \times 1.5 / L = 81$			
Electrical data					
Operating voltage	[V]	1036 DC			
Current consumption	[mA]	13; (24 V)			
Protection class		II			
Reverse polarity protection		yes			
Outputs					
Electrical design		PNP			
Output function		normally closed			
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	e [mm]	15			
Real sensing range Sr	[mm]	15 ± 10 %			
Operating distance	[mm]	012.1			
Accuracy / deviations					
Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2			
Hysteresis [%	of Sr]	115			
Switch point drift [%	of Sr]	-1515			

KI5001

Capacitive sensor





Operating conditions				
Ambient temperature	[°C]		-25	70
Protection			IP	65
Increased immunity		yes; (incre	eased immunity to cond	ucted radio frequency interference)
Tests / approvals				
EMC		EN 60947-5-2		
MTTF	[years]		7	78
Mechanical data				
Weight	[g]		1	95
Housing			thread	ed type
Mounting			non-flush	mountable
Dimensions	[mm]		M30 x 1.	5 / L = 81
Thread designation			M30	x 1.5
Materials			Р	вт
Displays / operating elen	nents			
Display		switching status		1 x LED, yellow
Accessories				
Items supplied			lock ı	nuts: 2
Remarks				
Pack quantity			1	ocs.
Electrical connection				
Cable: 2 m, PVC; 3 x 0.5 m	nm²			
Connection				
			BN L+	
			_	
			BK DI	

		_	
	Core colours :		
N =	brown		
J =	blue		
K =	black		