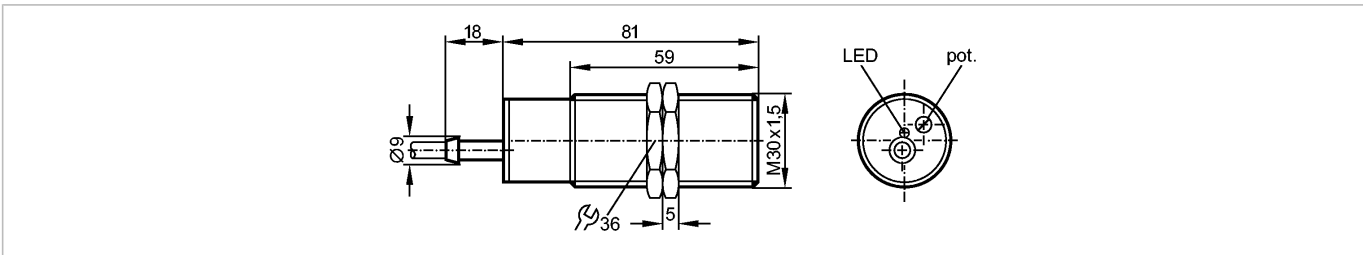


KI5060

KI-2015-FRKG/NI/PH

Capacitive sensors

Alternative article: KI0202 (N.O.) or KI0203 (N.C.) or KI5082 (3-WIRE)
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Capacitive sensor	
Plastic thread M30 x 1.5	
Cable	
Sensing range 15 mm; adjustable 3...15 mm; [nf] non-flush mountable	

Electrical data

Electrical design		DC PNP/NPN
Operating voltage [V]		10...36 DC
Protection class		II
Reverse polarity protection		yes

Outputs

Output function		normally open / closed programmable
Voltage drop [V]		< 4.6
Minimum load current [mA]		5
Leakage current [mA]		< 1
Current rating [mA]		250
Short-circuit proof		yes
Overload protection		yes
Switching frequency [Hz]		40

Monitoring range

Sensing range [mm]		15, adjustable 3...15 mm
Real sensing range (Sr) [mm]		15 ± 10 %
Operating distance [mm]		0...12.1

Accuracy / deviations

Correction factors		water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2
Hysteresis [% of Sr]		1...15
Switch-point drift [% of Sr]		-15...15

Environment

Ambient temperature [°C]		-25...80
Protection		IP 65

Tests / approvals

EMC	IEC 60947-5-2:	2007
MTTF [Years]		445

Mechanical data

Mounting		non-flush mountable
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KI5060

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Capacitive sensors

Housing materials	PBT
Weight [kg]	0.194

Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection	PUR / PVC cable / 2 m; 2 x 0.5 mm ²
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Wiring

Core colors
 BK black
 WH white



Accessories

Accessories (included)	2 lock nuts; screwdriver
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Remarks

Pack quantity [piece]	1
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