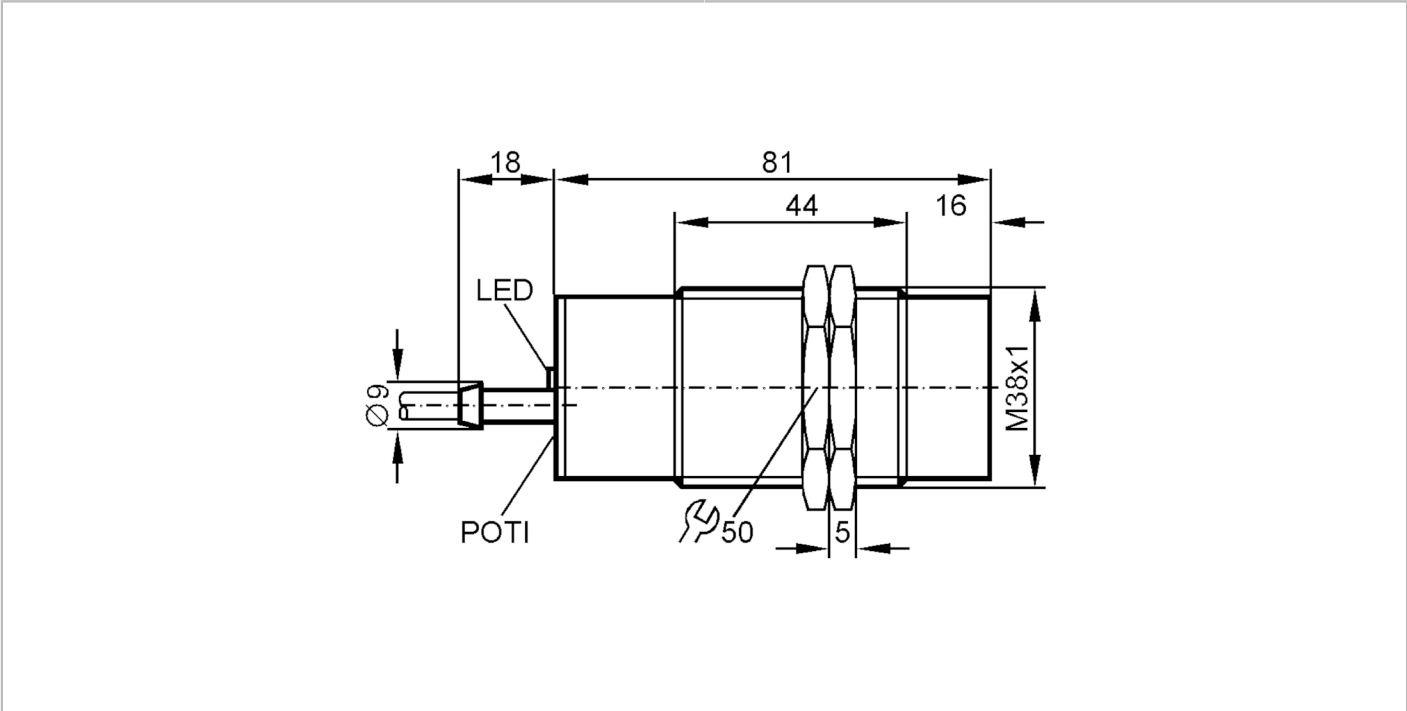


KK7004

Capacitive sensor



Article no longer available - archive entry



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	4...20
Housing		Threaded type
Dimensions	[mm]	M38 x 1.5
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	10; (24 V)
Protection class		II
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]	250
Switching frequency DC	[Hz]	40
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

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Capacitive sensor

Monitoring range		
Sensing range	[mm]	4...20
Sensing range adjustable		yes
Factory setting sensing range	[mm]	20
Real sensing range Sr	[mm]	20 ± 10 %
Operating distance	[mm]	0...16.2
Accuracy / deviations		
Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-15...15
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing		Threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M38 x 1.5
Thread designation		M38 x 1.5
Material		brass white bronze coated; PBT
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
	screwdriver: 1	
Remarks		
Pack quantity	1 pcs.	

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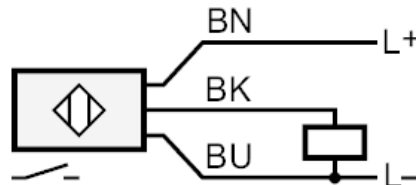
Capacitive sensor



Electrical connection

Cable: 6 m, PVC; 3 x 0.5 mm²

Connection



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