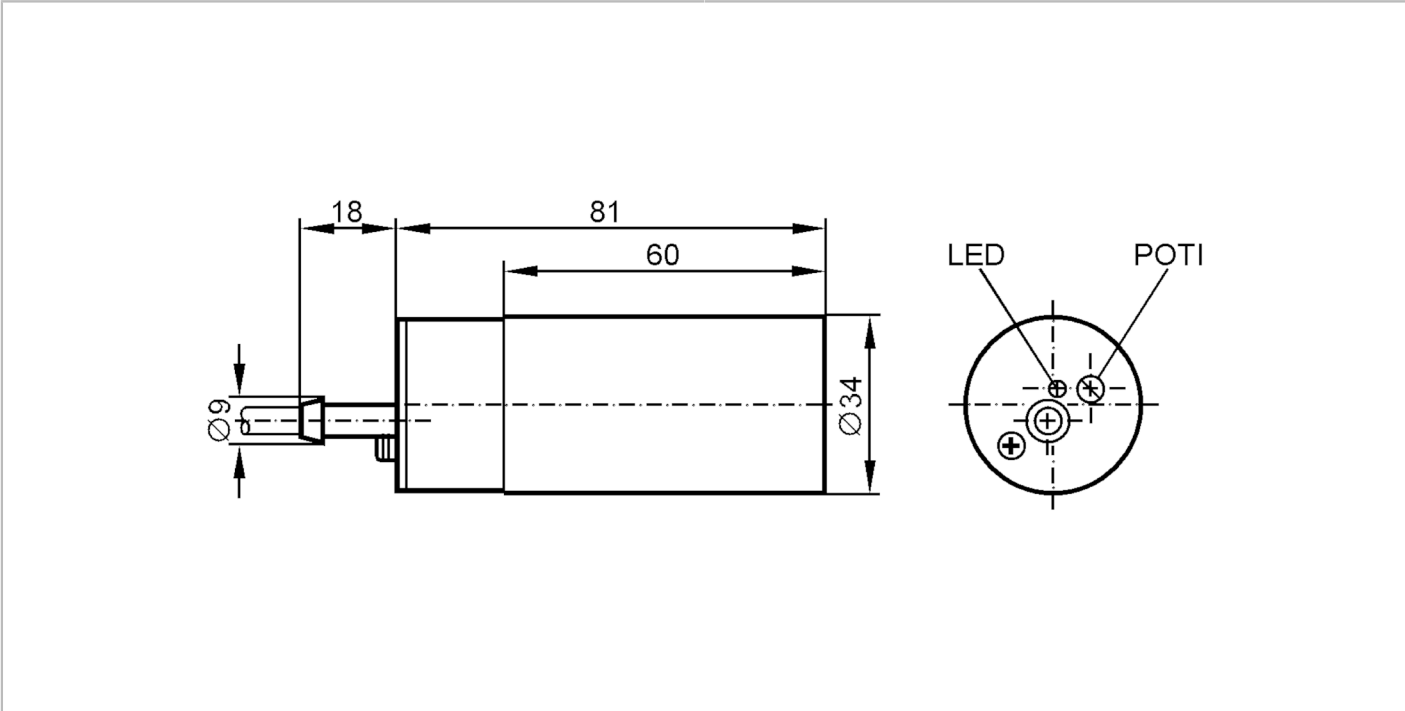




Capacitive sensor

KB-3020-ANKG/55V/KLEMME

Article no longer available - archive entry



Product characteristics		
Electrical design		NPN
Output function		normally open
Sensing range	[mm]	4...20
Housing		cylindrical
Dimensions	[mm]	Ø 34
Electrical data		
Operating voltage	[V]	10...25 DC
Current consumption	[mA]	< 5
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 protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes



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Detection zone		
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]	3...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		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 34
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied	Mounting clamps: 1	
	screwdriver: 1	
Remarks		
Pack quantity	1 pcs.	

KB5087



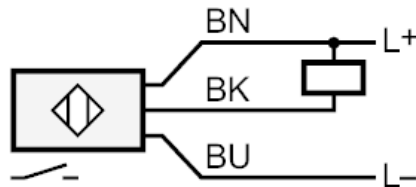
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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