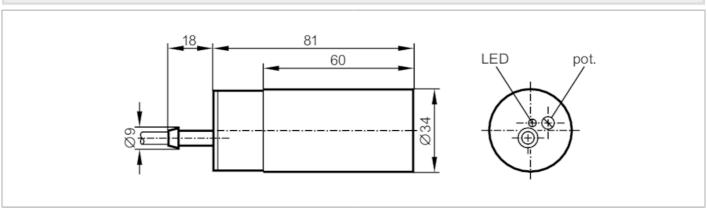
KB5203

Capacitive sensor

KB-3020-BNKG/NI



Article no longer available - archive entry





Product characteristics		
Electrical design		NPN
Output function		normally closed
Sensing range	[mm]	320
Housing		tubular
Dimensions	[mm]	Ø 34 / 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		NPN
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 protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	320
Sensing range adjustable		yes
Factory setting sensing range	[mm]	20
Real sensing range Sr	[mm]	20 ± 10 %
Operating distance	[mm]	016.2
Accuracy / deviations		
Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2

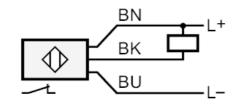
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Hysteresis	[% of Sr]	115		
Switch-point drift	[% of Sr]	-1515		
Operating conditions				
Ambient temperature	[°C]	-2570		
Protection		IP 65		
Increased immunity		yes; (Increased immunity to conducted radio frequency interference)		
Tests / approvals				
EMC		EN 60947-5-2		
Mechanical data				
Housing		tubular		
Mounting		non-flush mountable		
Dimensions	[mm]	Ø 34 / L = 81		
Material		PBT		
Displays / operating elements				
Display		Switching status 1 x LED, yellow		
Accessories				
Items supplied		Mounting clamp: 1		
		screwdriver: 1		
Remarks				
Pack quantity		1 pcs.		
Electrical connection				



Core colors :

BN = brown BU = blueBK = black

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection