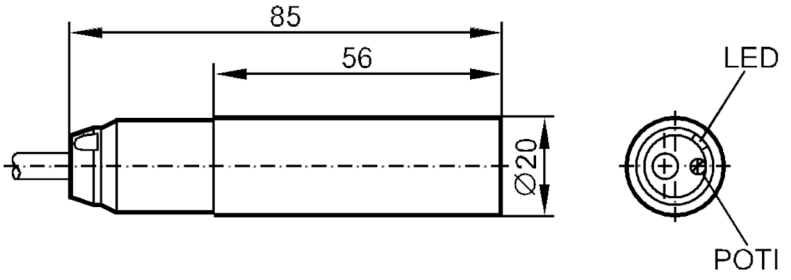
KA5005

Capacitive sensor

KA-3010-ANKG

Article no longer available - archive entry



CE

Product characteristics		
Electrical design		NPN
Output function		normally open
Sensing range	[mm]	10
Housing		tubular
Dimensions	[mm]	Ø 20
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	10; (24 V)
Protection class		II
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]	50
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	10
Real sensing range Sr	[mm]	10 ± 10 %
Operating distance	[mm]	0...8.1
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

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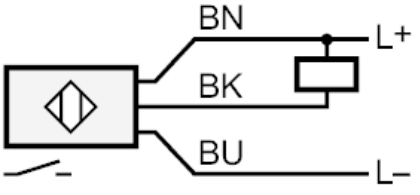
Capacitive sensor

KA-3010-ANKG

Operating conditions			
Ambient temperature	[°C]	-15...70	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
Mechanical data			
Housing		tubular	
Mounting		non-flush mountable	
Dimensions	[mm]	Ø 20	
Material		PBT	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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