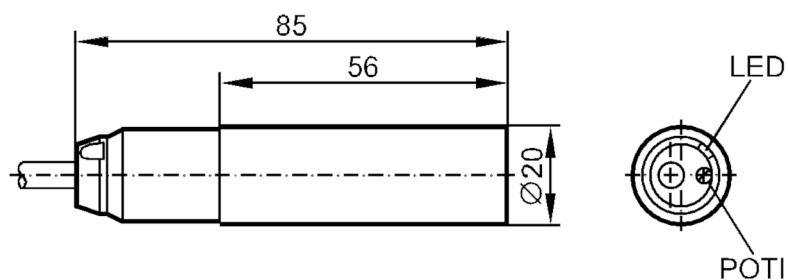




Capacitive sensor

KA-2010-BBOA

Article no longer available - archive entry



Product characteristics

Output function		normally closed
Sensing range	[mm]	10
Housing		tubular
Dimensions	[mm]	Ø 20

Electrical data

Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally closed
Max. voltage drop switching output DC	[V]	6
Max. voltage drop switching output AC	[V]	6
Minimum load current	[mA]	4
Max. leakage current	[mA]	2.0 (250 V AC) / 1.5 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	2100; (50 ms / 1 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	50
Short-circuit proof		no
Overload protection		no

Monitoring range

Sensing range	[mm]	10
Real sensing range Sr	[mm]	10 ± 10 %
Operating distance	[mm]	0...8.1

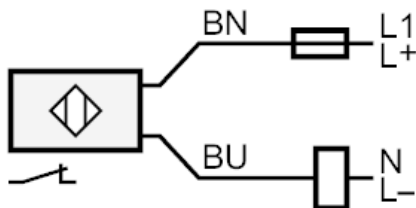
KA0002



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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] -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
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Remarks		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 2 x 0.5 mm²		
Connection		



BN =
BU =

Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting
Core colors :
brown
blue