



Capacitive sensor

KA-3010-BPKG

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Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	10
Housing		cylindrical
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		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]	50
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

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	[X01]	1...15
Switch point drift	[X01]	-15...15

KA5003



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Operating conditions

Ambient temperature	[°C]	-15...70
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
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Mechanical data

Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 20
Materials		PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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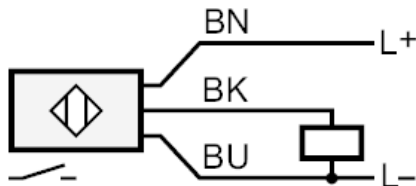
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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