

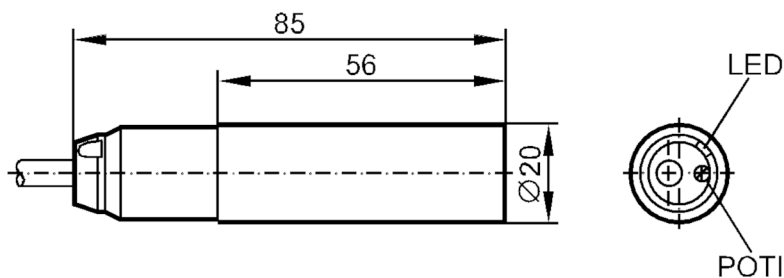
KA5002

Capacitive sensor

KA-2010-FRKG



Article no longer available - archive entry



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / closed; (selectable)
Sensing range [mm]	10
Housing	tubular
Dimensions [mm]	Ø 20

Electrical data

Operating voltage [V]	10...55 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open / closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	0.6
Permanent current rating of switching output DC [mA]	400
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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Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2	
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Mechanical data

Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 20
Material		PBT

Displays / operating elements

Display	Switching status	1 x LED, yellow
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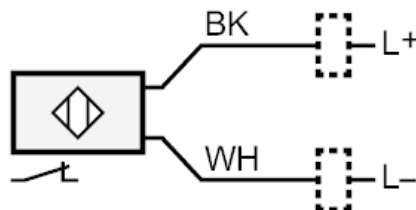
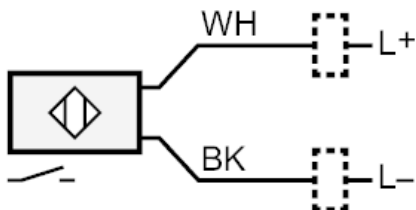
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 2 m, PUR / PVC; 2 x 0.5 mm²

Connection



BK = Core colors :
WH = black
white