

KD5022

Capacitive sensor

KD-3060-BPKG/NI



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	60
Housing	rectangular
Dimensions [mm]	120 x 80 x 30

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (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]	10
Short-circuit proof	yes
Overload protection	yes

Monitoring range

Sensing range [mm]	60
Real sensing range Sr [mm]	60 ± 10 %
Operating distance [mm]	0...48.6

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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]	-25...50
Protection	IP 65
Increased immunity	yes

Tests / approvals

EMC	EN 60947-5-2	
MTTF [years]		615

Mechanical data

Weight [g]	405
Housing	rectangular
Mounting	non-flush mountable
Dimensions [mm]	120 x 80 x 30
Material	PPE modified

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	spring washers: 4
	cylinder screws: 4

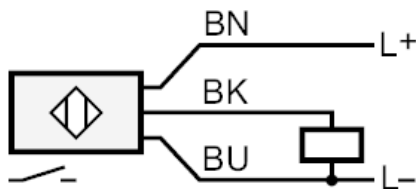
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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