

KD5018

Capacitive sensor

KDE3060-FPKG/NI



Product characteristics		
Electrical design		PNP
Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	60
Housing		rectangular
Dimensions	[mm]	105 x 80 x 40
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 / normally closed; (selectable)
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
Detection zone		
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...80
Protection	IP 65
Increased immunity	yes

Tests / approvals

EMC	EN 60947-5-2	
MTTF [years]		537

Mechanical data

Weight [g]	297.5
Housing	rectangular
Mounting	non-flush mountable
Dimensions [mm]	105 x 80 x 40
Materials	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

terminals: ...2.5 mm²; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5

Connection

