

KD5023



Capacitive sensor

KD-3060-APKG/NI

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Product characteristics

Electrical design	PNP
Output function	normally closed
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 closed
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 protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

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Detection zone		
Sensing range	[mm]	60
Real sensing range Sr	[mm]	60 ± 10 %
Operating distance	[mm]	0...48.6
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	IEC 60947-5-2	
Mechanical data		
Weight	[g]	402.6
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	120 x 80 x 30
Materials		PPE modified
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied	screwdriver: 1	
Remarks		
Pack quantity	1 pcs.	

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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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