

Product characteristics

Capacitive sensor
Rectangular, plastics
Quick disconnect
Sensing range 60 mm; [nf] non-flush mountable

Electrical data		DC PNP
Electrical design		DC PNP
Operating voltage [V]		10...36 DC
Current consumption [mA]		5 (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		normally open / closed programmable
Voltage drop [V]		< 2.5
Current rating [mA]		250
Short-circuit proof		yes
Overload protection		yes
Switching frequency [Hz]		10
Monitoring range		
Sensing range [mm]		60
Real sensing range (Sr) [mm]		60 ± 10 %
Operating distance [mm]		0...48.6
Accuracy / deviations		
Correction factors		water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2
Hysteresis [% of Sr]		1...15
Switch-point drift [% of Sr]		-15...15
Environment		
Ambient temperature [°C]		-25...80
Protection		IP 65
Tests / approvals		
EMC		IEC 60947-5-2: 2007
MTTF [Years]		537
Mechanical data		
Mounting		non-flush mountable
Housing materials		modified PPO
Weight [kg]		0.314
Displays / operating elements		

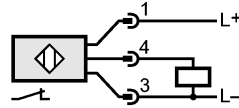
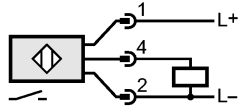
KD5039 - Capacitive sensor - eclass: 27270102 / 27-27-01-02

Output status indication LED | yellow

Electrical connection

Connection | M12 connector

Wiring



Accessories

Accessories (included) | screwdriver

Remarks

Pack quantity [piece] | 1