

Product characteristics

Capacitive sensor	
Plastic thread M18 x 1	
Cable	
Increased immunity to conducted radio frequency interference	
Sensing range 8 mm; adjustable; [nf] non-flush mountable	
Electrical data	
Electrical design	DC NPN
Operating voltage [V]	10...36 DC; UL - Class 2 source required
Current consumption [mA]	< 10 (24 V DC) / < 15 (36 V DC)
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit proof	yes
Overload protection	yes
Switching frequency [Hz]	50
Monitoring range	
Sensing range [mm]	8, adjustable
Real sensing range (Sr) [mm]	8 ± 10 %
Operating distance [mm]	0...6.5
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 67
Tests / approvals	
EMC	IEC 60947-5-2: 2007
MTTF [Years]	671
Mechanical data	
Mounting	non-flush mountable
Housing materials	PBT
Weight [kg]	0.123
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PVC cable / 2 m; 3 x 0.34 mm ²

Wiring

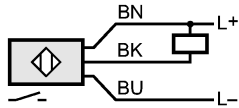
KG5045 - Capacitive sensor - eclass: 27270102 / 27-27-01-02

Core colors

BN brown

BU blue

BK black



Accessories

Accessories (included)

2 lock nuts; screwdriver

Remarks

Pack quantity

[piece]

1