



Capacitive Sensor KD5018

URL: <https://www.sxplc.com/capacitive-sensor-kd5018>

Product data sheet

Product Characteristics

Electrical Design

PNP

Output Function

Normally open/closed; (optional)

Sensing distance [mm]

60

Housing

Rectangular

Dimensions [mm]

105 x 80 x 40

Electrical data

Operating voltage [V]

10.... 36 DC

Current loss [mA]

15; (24 V)

Protection class

II

Inverted phase protection

yes

Outputs

Electrical design

PNP

Output Function

Normally open/closed; (optional)

Switching output DC voltage drop max.

2.5

Continuous current load of switching output DC [mA]

250

Switching frequency DC [Hz]

10

Short-circuit protection

Yes

Overload protection

Yes

Monitoring range

Sensing distance [mm]

60

Actual sensing distance S_r [mm]

60 ± 10 %

Operating distance [mm]

0.... 48.6

Accuracy / Deviation

Calibration coefficient

Glass: 0.4 / Water: 1 / Ceramic: 0.2 / PVC: 0.2

Hysteresis [% of Sr]

1.... 15

Switching point offset [% of Sr]

-15.... 15

Operating conditions

Ambient temperature [°C]

-25.... 80

Enclosure protection class

IP 65

Increased immunity

Available

Certification/Testing

EMC Electromagnetic Compatibility

EN 60947-5-2

MTTF [year]

537

Mechanical Technical Data

Weight [g]

297.5

Housing

Rectangular

Mounting

Non-flush mounting

Dimensions [mm]

105 x 80 x 40

Material

PPE modified

Display/operating elements

Display

Switching status

1 x LED, yellow

Accessories

Scope of supply

Spring washers: 4

Cylinder screws: 4

Note

Packing unit

1 piece

Electrical connection

Connector

Terminal block: 2.5 mm²; Cable sheath: Ø 7... 13 mm; Cable plug-in connector: M20 X 1.5 mm²;

Cable cable gland: M20 X 1.5 mm²; cable gland: 13 mm; cable gland: M20 X 1.5

