



**sensor KG5057-KG3008-BPKG**

**E10IFM05057**

URL:<https://www.sxplc.com/sensor-kg5057-kg3008-bpkg-e10ifm05057>

## Product data sheet

Product Characteristics

Electrical Design

PNP

Output Function

Normally open

Sensing distance [mm]

8

Enclosure

Threaded construction

Dimensions [mm]

M18 x 1 / L = 93.8

Electrical data

Operating voltage [V]

10... 36 DC

Current loss [mA]

< 10 (24 V DC) / < 15 (36 V DC)

Protection class

II

Inverted phase protection

yes

Outputs

Electrical design

PNP

Output Function

Normally open

Switching output DC voltage drop max.

2.5

Continuous current load of switching output DC [mA]

250

Switching frequency DC [Hz]

50

Short-circuit protection

Yes

Overload protection

Yes

Monitoring range

Sensing distance [mm]

8

Detection distance can be set

Yes

Factory set detection distance [mm]

8

Actual sensing distance  $S_r$  [mm]

$8 \pm 10 \%$

Operating distance [mm]

0.... .6.5

Accuracy/deviation

Calibration coefficient

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

Hysteresis [% of  $S_r$ ]

1.... .15

Switching point offset [% of  $S_r$ ]

-15.... .15

Operating conditions

Ambient temperature [°C]

-25.... .80

Enclosure protection class

IP 67

Increased immunity

Available

Certification/Testing

EMC Electromagnetic Compatibility

EN 60947-5-2

MTTF [year]

647

Mechanical Technical Data

Weight [g]

29.4

Housing

Threaded construction

Mounting

Non-flush mounting

Dimensions [mm]

M18 x 1 / L = 93.8

Thread designation

M18 x 1

Material

PBT

Displays/operating elements

Display

Switching status

1 x LED, yellow

Accessories

Scope of supply

Fixing nuts: 2

Note

Packaging unit

1 piece

Electrical connection - plug

connector

Connector: 1 x M12; Translator: A

---

