

1: LED
2: sensing face

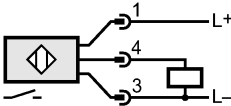


Product characteristics

| | |
|--|--|
| Capacitive sensor | |
| Rectangular, plastics | |
| Cable with connector | |
| Sensing range 8 mm; preset to 4.0 mm (± 0.2 mm) | |
| Application | |
| Application | Level detection food industry |
| Electrical data | |
| Electrical design | DC PNP |
| Operating voltage [V] | 10...36 DC; UL - Class 2 source required |
| Current consumption [mA] | < 17 |
| Protection class | III |
| Reverse polarity protection | yes |
| Outputs | |
| Output function | normally open |
| Voltage drop [V] | < 2.5 |
| Current rating [mA] | 100 |
| Short-circuit proof | yes |
| Overload protection | yes |
| Switching frequency [Hz] | 10 |
| Range | |
| Sensing range [mm] | 8, preset to 4.0 mm (± 0.2 mm) |
| 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] | -20...20 |
| Environment | |
| Ambient temperature [°C] | -25...80 |
| Protection | IP 65 / IP 67 |
| Tests / approvals | |
| EMC | IEC 60947-5-2: 2007 |
| MTTF [Years] | 771 |
| Mechanical data | |
| Housing materials | PBT; TPE-U; stainless steel |
| Weight [kg] | 0.034 |
| Displays / operating elements | |
| Output status indication LED | yellow |
| Electrical connection | |
| Connection | PUR cable / 0.76 m; 3 x 0.14 mm ² ; with MOLEX connector |

Wiring

KQ5011 - Capacitive sensor - eclass: 27371813 / 27-37-18-13



Remarks

Pack quantity [piece] 1