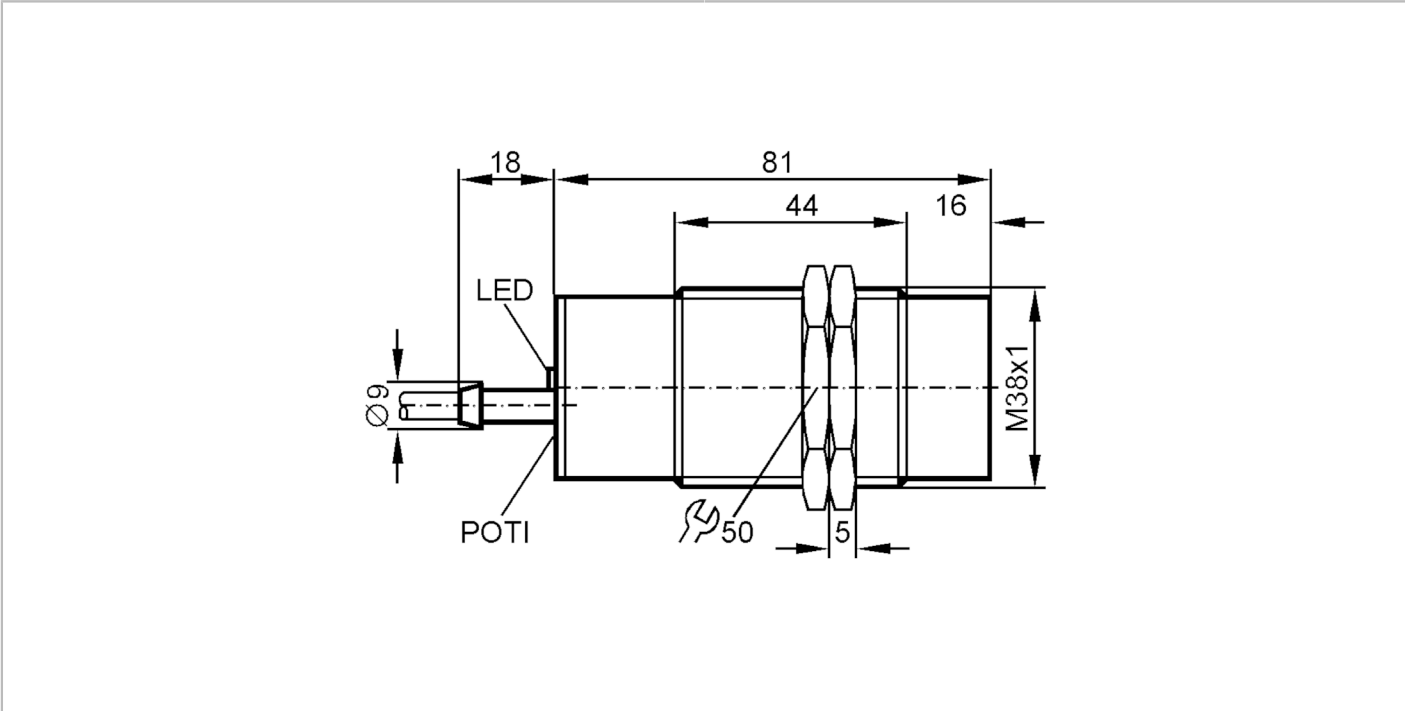




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| Product characteristics                         |      |                       |
|-------------------------------------------------|------|-----------------------|
| Output function                                 |      | normally open         |
| Sensing range                                   | [mm] | 4...20                |
| Housing                                         |      | threaded type         |
| Dimensions                                      | [mm] | M38 x 1.5             |
| Electrical data                                 |      |                       |
| Operating voltage                               | [V]  | 20...250 AC/DC        |
| Current consumption                             | [mA] | < 2                   |
| Protection class                                |      | II                    |
| Reverse polarity protection                     |      | no                    |
| Outputs                                         |      |                       |
| Output function                                 |      | normally open         |
| Max. voltage drop switching output DC           | [V]  | 6                     |
| Max. voltage drop switching output AC           | [V]  | 6                     |
| Minimum load current                            | [mA] | 4                     |
| Permanent current rating of switching output AC | [mA] | 250; (350 (...50 °C)) |
| Permanent current rating of switching output DC | [mA] | 100                   |
| Short-time current rating of switching output   | [mA] | 2200; (50ms / 0,5Hz)  |
| Switching frequency AC                          | [Hz] | 25                    |

# KK2001



## Capacitive sensor

SKK-2020-ABOA

|                                      |                  |                                                                               |
|--------------------------------------|------------------|-------------------------------------------------------------------------------|
| Switching frequency DC               | [Hz]             | 40                                                                            |
| Short-circuit proof                  |                  | no                                                                            |
| Overload protection                  |                  | no                                                                            |
| <b>Detection zone</b>                |                  |                                                                               |
| Sensing range                        | [mm]             | 4...20                                                                        |
| Sensing range adjustable             |                  | yes                                                                           |
| Factory setting sensing range        | [mm]             | 20                                                                            |
| Real sensing range Sr                | [mm]             | 20 ± 10 %                                                                     |
| Operating distance                   | [mm]             | 0...16.2                                                                      |
| <b>Accuracy / deviations</b>         |                  |                                                                               |
| Correction factor                    |                  | glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2                              |
| Hysteresis                           | [% of Sr]        | 1...15                                                                        |
| Switch point drift                   | [% of Sr]        | -15...15                                                                      |
| <b>Operating conditions</b>          |                  |                                                                               |
| Ambient temperature                  | [°C]             | -25...80                                                                      |
| Protection                           |                  | IP 65                                                                         |
| <b>Tests / approvals</b>             |                  |                                                                               |
| EMC                                  | EN 60947-5-2     |                                                                               |
| <b>Mechanical data</b>               |                  |                                                                               |
| Housing                              |                  | threaded type                                                                 |
| Mounting                             |                  | non-flush mountable                                                           |
| Dimensions                           | [mm]             | M38 x 1.5                                                                     |
| Thread designation                   |                  | M38 x 1.5                                                                     |
| Materials                            |                  | brass white bronze coated; PBT                                                |
| <b>Displays / operating elements</b> |                  |                                                                               |
| Display                              | switching status | 1 x LED, yellow                                                               |
| <b>Electrical connection</b>         |                  |                                                                               |
| Required protection                  |                  | miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting                      |
| <b>Accessories</b>                   |                  |                                                                               |
| Items supplied                       |                  | lock nuts: 2                                                                  |
|                                      |                  | screwdriver: 1                                                                |
| <b>Remarks</b>                       |                  |                                                                               |
| Remarks                              |                  | Recommendation: Check the safe functioning of the unit after a short circuit. |
| Pack quantity                        |                  | 1 pcs.                                                                        |

# KK2001

## Capacitive sensor

SKK-2020-ABOA



### Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm<sup>2</sup>

### Connection



Note miniature fuse to IEC60127-2 sheet 1  $\leq 2$  A fast acting

Core colours :

BN =

brown

BU =

blue