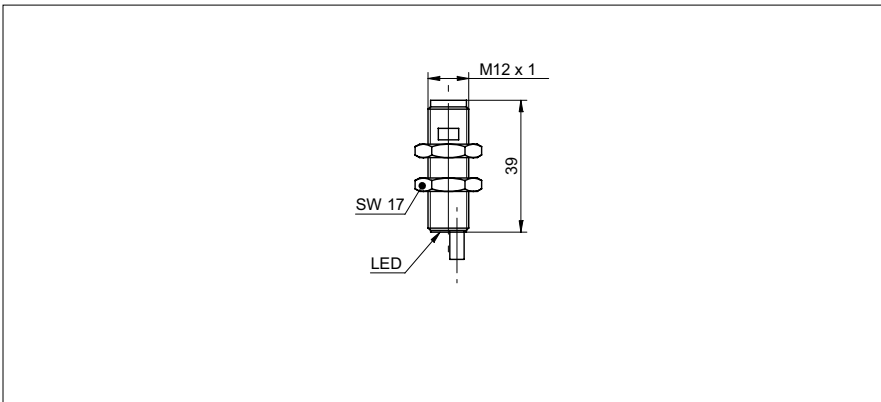


**Capacitive proximity sensors**

**CFAK 12P1103**

**dimension drawing**



**general data**

|                                |                     |
|--------------------------------|---------------------|
| nominal sensing distance $S_n$ | 0,5 mm              |
| mounting type                  | non-flush           |
| GND electrode                  | no                  |
| temperature drift              | $\pm 20 \%$         |
| sensitivity adjustment         | no                  |
| output indicator               | LED yellow          |
| measurement type               | contact with medium |

**electrical data**

|                                    |                        |
|------------------------------------|------------------------|
| voltage supply range $+V_s$        | 10 ... 30 VDC          |
| current consumption max. (no load) | 12 mA                  |
| output circuit                     | PNP make function (NO) |
| output current                     | < 200 mA               |
| voltage drop $V_d$                 | < 2,5 VDC              |
| switching frequency                | < 15 Hz                |
| short circuit protection           | yes                    |
| reverse polarity protection        | yes                    |

**mechanical data**

|                  |                      |
|------------------|----------------------|
| type             | cylindrical threaded |
| housing material | PBT                  |
| dimension        | 12 mm                |
| housing length   | 39 mm                |
| connection types | cable, 2 m           |

**ambient conditions**

|                       |              |
|-----------------------|--------------|
| operating temperature | 0 ... +70 °C |
| protection class      | IP 67        |

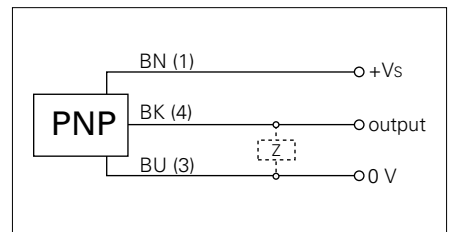
**field of application**

|  |     |
|--|-----|
| detection of non-conductive media      | no  |
| fill level detection through container | no  |
| liquids in direct contact              | yes |
| object detection / bulk goods          | no  |

**photo**



**connection diagram**



• Other housing materials are available on request