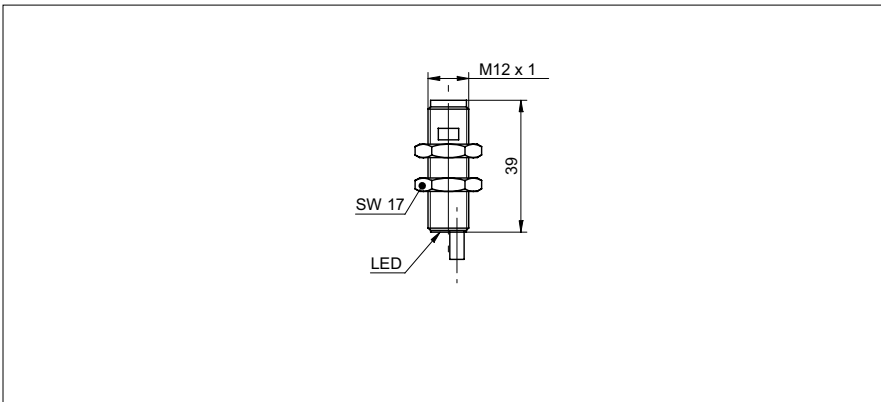


**Capacitive proximity sensors**

**CFAK 12N1103**

**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	NPN 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

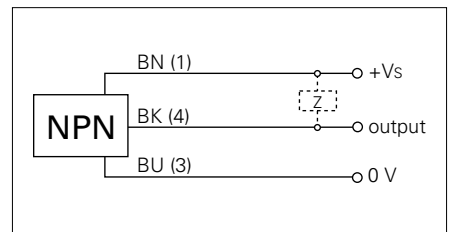
**field of application**

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

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