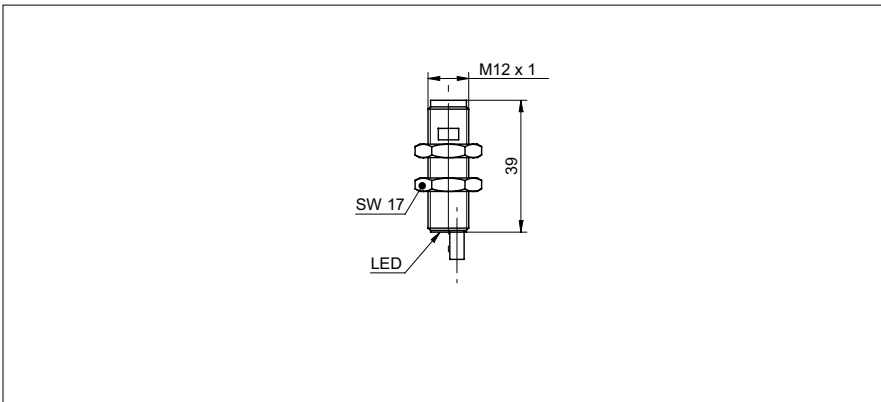


Capacitive proximity sensors

CFAK 12N3103

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 break function (NC)
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