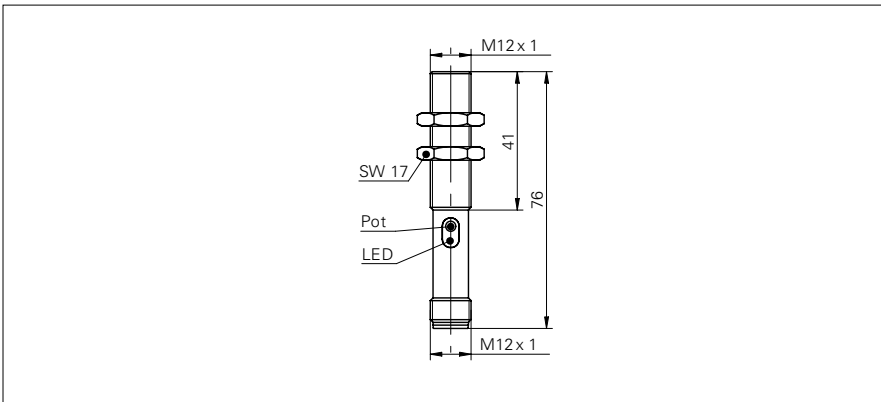


Capacitive proximity sensors

CFAM 12

sample drawing



general data

| | |
|--|-------------------------|
| nominal sensing distance Sn | 4 mm |
| nominal sensing distance Sn adjustable | 0,5 ... 4 mm |
| mounting type | flush |
| GND electrode | yes |
| temperature drift | ± 15 % (+10 ... +70 °C) |
| sensitivity adjustment | potentiometer, 240° |
| output indicator | LED yellow |

electrical data

| | |
|------------------------------------|---------------|
| voltage supply range +Vs | 10 ... 30 VDC |
| current consumption max. (no load) | 20 mA |
| output current | < 200 mA |
| voltage drop Vd | < 1,5 VDC |
| switching frequency | < 50 Hz |
| short circuit protection | yes |
| reverse polarity protection | yes |

mechanical data

| | |
|------------------|----------------------|
| type | cylindrical threaded |
| housing material | brass nickel plated |
| dimension | 12 mm |

ambient conditions

| | |
|-----------------------|----------------|
| operating temperature | -25 ... +75 °C |
| protection class | IP 65 |

field of application

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

sample picture



Capacitive proximity sensors**CFAM 12**

| order reference | housing length | output circuit | connection types |
|-------------------------|-----------------------|-------------------------|-------------------------|
| CFAM 12N1600 | 60 mm | NPN make function (NO) | cable, 2 m |
| CFAM 12N1600/S14 | 76 mm | NPN make function (NO) | connector M12 |
| CFAM 12N3600 | 60 mm | NPN break function (NC) | cable, 2 m |
| CFAM 12N3600/S14 | 76 mm | NPN break function (NC) | connector M12 |
| CFAM 12P1600 | 60 mm | PNP make function (NO) | cable, 2 m |
| CFAM 12P1600/S14 | 76 mm | PNP make function (NO) | connector M12 |
| CFAM 12P3600 | 60 mm | PNP break function (NC) | cable, 2 m |
| CFAM 12P3600/S14 | 76 mm | PNP break function (NC) | connector M12 |