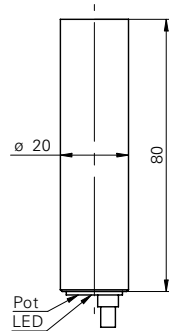


## Capacitive proximity sensors

## CFBM 20

## sample drawing



## general data

|   |                             |
|---|-----------------------------|
| mounting type                             | shielded                    |
| nominal sensing distance $S_n$            | 10 mm                       |
| nominal sensing distance $S_n$ adjustable | 2 ... 10 mm                 |
| temperature drift                         | $\pm 15\%$ (+10 ... +70 °C) |
| sensitivity adjustment                    | potentiometer               |
| output indicator                          | LED yellow                  |

## electrical data

|                             |               |
|-----------------------------|---------------|
| voltage supply range +Vs    | 10 ... 30 VDC |
| current consumption max.    | 20 mA         |
| output current              | < 200 mA      |
| voltage drop Vd             | < 2,5 VDC     |
| switching frequency         | < 50 Hz       |
| short circuit protection    | yes           |
| reverse polarity protection | yes           |

## mechanical data

|                  |                     |
|------------------|---------------------|
| type             | cylindrical smooth  |
| housing material | brass nickel plated |
| dimension        | 20 mm               |
| housing length   | 80 mm               |
| connection types | cable, 2 m          |

## ambient conditions

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

## order reference

|                     |                         |
|---------------------|-------------------------|
| <b>CFBM 20N1600</b> | NPN make function (NO)  |
| <b>CFBM 20N3600</b> | NPN break function (NC) |
| <b>CFBM 20P1600</b> | PNP make function (NO)  |
| <b>CFBM 20P3600</b> | PNP break function (NC) |

## output circuit

## sample picture

