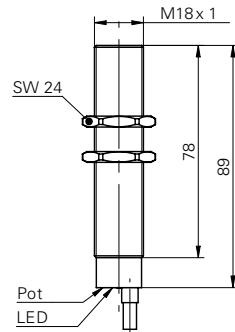


## Ultrasonic proximity sensors

## UNAM 18 (without Teach-in)

sample drawing



## general data

|                              |                            |
|------------------------------|----------------------------|
| scanning range sd            | 100 ... 700 mm             |
| scanning range far limit Sde | 110 ... 700 mm             |
| hysteresis typ.              | 4 % Sde                    |
| repeat accuracy              | < 0,5 mm                   |
| synchronization              | yes                        |
| temperature drift            | < 0,18 % Sde/K             |
| adjustment                   | potentiometer              |
| response time ton (sync on)  | < 50 ms                    |
| release time toff (sync on)  | < 50 ms                    |
| alignment aid                | target indication flashing |
| sonic frequency              | 240 kHz                    |
| output indicator             | LED green                  |

## electrical data

|                             |               |
|-----------------------------|---------------|
| voltage supply range +Vs    | 12 ... 30 VDC |
| current consumption max.    | 30 mA         |
| output current              | < 200 mA      |
| voltage drop Vd             | < 2 VDC       |
| residual ripple             | < 10 % Vs     |
| short circuit protection    | yes           |
| reverse polarity protection | yes           |

## mechanical data

|                  |                     |
|------------------|---------------------|
| type             | cylindrical         |
| housing material | brass nickel plated |
| width / diameter | 18 mm               |
| height / length  | 89 mm               |
| connection types | cable, 2 m          |

## ambient conditions

|                       |                |
|-----------------------|----------------|
| operating temperature | -10 ... +60 °C |
| protection class      | IP 67          |

sample picture



## Ultrasonic proximity sensors

## UNAM 18 (without Teach-in)

| order reference | output circuit          |
|-----------------|-------------------------|
| UNAM 18N1703    | NPN make function (NO)  |
| UNAM 18N3703    | NPN break function (NC) |
| UNAM 18P1703    | PNP make function (NO)  |
| UNAM 18P3703    | PNP break function (NC) |