microsonic



extract from our online catalogue:

# *pico-usd 25/0/CD/S/HV/M18E*

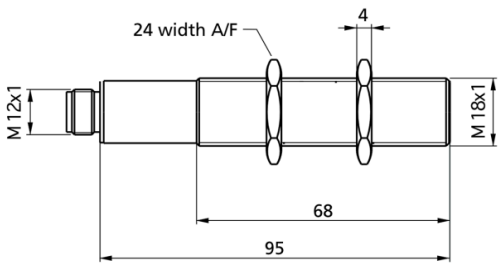
current to: 2026-11-04

microsonic GmbH / Phoenixseestraße 7 / 44263 Dortmund / Germany / **T** +49 231 975151-0 / **F** +49 231 975151-51 / **E** info@microsonic.de
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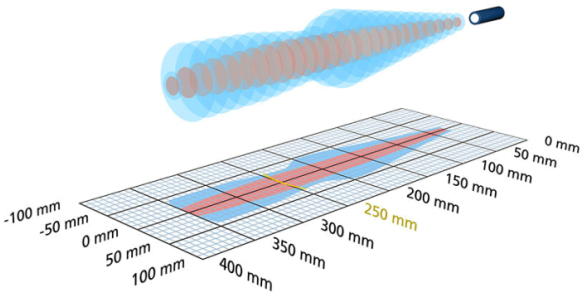
Archivsensor

# pico-usd 25/0/CD/S/HV/M18E

## scale drawing




## detection zone




| Successor model available | please inquire |
|---|---|
| 1 x pnp | 350 mm |
| design | cylindrical M18 |
| operating mode | proximity switch/reflective mode |
| particularities | stainless steel version |

## Ultrasonic-Specific

| | |
|---|---|
| means of measurement | echo propagation time measurement |
| transducer frequency | 320 kHz |
| blind zone | 30 mm |
| operating range | 250 mm |
| max. range | 350 mm |
| resolution | 0.36 mm |
| reproducibility | ± 0.15 % |
| accuracy | temperature drift online compensated, < 1 % |

## Electrical Data

| | |
|---|---|
| operating voltage $U_B$ | 10 - 30 V d.c., reverse polarity protection |
| voltage ripple | ± 10 % |
| no-load current consumption | ≤ 30 mA |
| type of connection | 4-pin M12 initiator plug |

## Outputs

| | |
|---|---|
| output 1 | switching output<br>pnp: $I_{max}$ = 500 mA ($U_B$-2V)<br>NOC, short-circuit-proof |
| switching hysteresis | 2.0 mm |
| switching frequency | 25 Hz |
| response delay | 24 ms |
| delay prior to availability | < 300 ms |

## Inputs

| | |
|---|---|
| input 1 | synchronisation input |

## Housing

| | |
|---|---|
| material | stainless steel, plastic parts, PBT |
| ultrasonic transducer | polyurethane foam, epoxy resin with glass contents |
| class of protection to EN 60529 | IP 65 |
| operating temperature | -20°C to +70°C |
| storage temperature | -40°C to +85°C |
| weight | 60 g |

## Technical Features/Characteristics

| | |
|---|---|
| temperature compensation | no |
| controls | control input |
| scope for settings | durch Referenzmessung gegen Bezugspunkt |
| synchronization | yes |
| multiplex | no |
| indicators | no |

## Accessories

| | |
|---|---|
| deployable accessory | KST4A-2/M12<br>KST4A-5/M12<br>KST4G-2/M12<br>KST4G-5/M12<br>BF-18<br>UF-90/M18<br>Aufschraubdom M18 |

## pin assignment

