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***pico-usf 6/30/CD/S/HV/M18E***

current to: 2026-09-22

# pico-usf 6/30/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

archive sensor  
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 0.17 %/K

## 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: $I_{\max} = 500 \text{ mA}$ ( $U_B - 2V$ )<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 | control 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       | selecting one of two firmly set detect points |
| synchronization          | no                                            |
| 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



