



extract from our online catalogue:

***pico-usv 25/CD/S/HV/M18***

current to: 2026-09-03

# pico-usv 25/CD/S/HV/M18

## scale drawing



## detection zone



Successor model available

pico+25/F/A

1 x pnp

350 mm

design

cylindrical M18

operating mode

window mode

## 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  
pnp:  $I_{max} = 500 \text{ mA}$  ( $U_B - 2V$ )  
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

Teach-in input

### housing

material

brass sleeve, nickel-plated, 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

further versions

stainless steel

### Technical Features/Characteristics

temperature compensation

no

controls

control input

scope for settings

Teach-in

synchronization

no

multiplex

no

indicators

no

### Accessories

deployable accessory

KST4A-2/M12  
KST4A-5/M12  
KST4G-2/M12  
KST4G-5/M12  
BF-18  
UF-90/M18  
Aufschraubdom M18

### pin assignment

