



extract from our online catalogue:

pico-usf 19/21/CD/S/HV/M18

current to: 2026-09-03

pico-usf 19/21/CD/S/HV/M18

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

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	control input
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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

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

