microsonic



extract from our online catalogue:

pico-usd 25/4/CD/S/HV/M18E

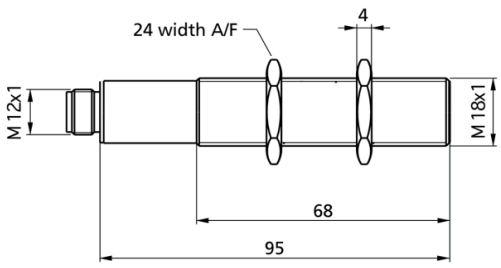
current to: 2026-11-19

microsonic GmbH / Phoenixseestraße 7 / 44263 Dortmund / Germany / **T** +49 231 975151-0 / **F** +49 231 975151-51 / **E** info@microsonic.de
microsonic® ist eine eingetragene Marke der microsonic GmbH. Alle Rechte vorbehalten. Änderungen vorbehalten.

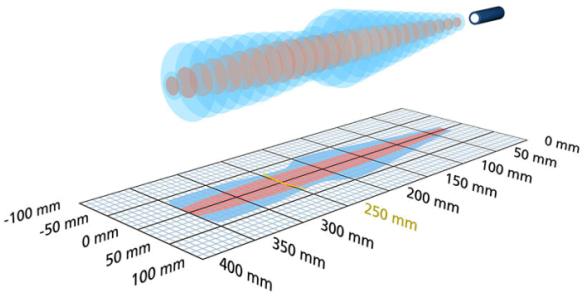
Archivsensor

pico-usd 25/4/CD/S/HV/M18E

scale drawing



detection zone



Successor model available	please inquire
1 x pnp	350 mm
design	cylindrical M18
operating mode	window 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 pnp: I_{max} = 500 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	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 KST4A-5/M12 KST4G-2/M12 KST4G-5/M12 BF-18 UF-90/M18 Aufschraubdom M18

pin assignment

