



extract from our online catalogue:

mic-101/DD/HV/M30E R1

current to: 2026-09-03

mic-101/DD/HV/M30E R1

scale drawing



detection zone



Successor model available

mic+130/DD/TC/E



2 x pnp

2,000 mm

design

cylindrical M30

operating mode

 proximity switch/reflective mode
 reflective barrier
 window mode

particularities

 archive sensor
 stainless steel version

Ultrasonic-Specific

means of measurement

echo propagation time measurement

transducer frequency

200 kHz

blind zone

200 mm

operating range

1,300 mm

max. range

2,000 mm

resolution

0,18 mm

reproducibility

± 0,15 %

accuracy

± 1 % (temperature drift internally compensated)

Electrical Data

operating voltage U_B

9 - 30 V d.c., reverse polarity protection

voltage ripple

± 10 %

no-load current consumption

≤ 70 mA

type of connection

5-pin M12 initiator plug

outputs

output 1	switching output pnp: $I_{\max} = 200 \text{ mA}$ ($U_B - 2V$) NOC/NCC adjustable, short-circuit-proof
Ausgang 2	switching output pnp: $I_{\max} = 200 \text{ mA}$ ($U_B - 2V$) NOC/NCC adjustable, short-circuit-proof
switching hysteresis	20 mm
switching frequency	6 Hz
response delay	110 ms
delay prior to availability	< 1,500 ms

Inputs

input 1	com input synchronisation input
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housing

material	stainless steel, plastic parts: PBT, TPU
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	210 g
further versions	mic-101/DD/HV/M30E/ K5 R1
further versions	cable connection (on request)

Technical Features/Characteristics

temperature compensation	yes
controls	2 push-buttons + LED display (TouchControl) com input
scope for settings	Teach-in and numeric configuration via TouchControl LCA-2 with LinkControl
synchronization	yes
multiplex	yes
indicators	2 x three-colour LED

Accessories

deployable accessory	KST5A-2/M12 KST5A-5/M12 KST5G-2/M12 KST5G-5/M12
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pin assignment

