



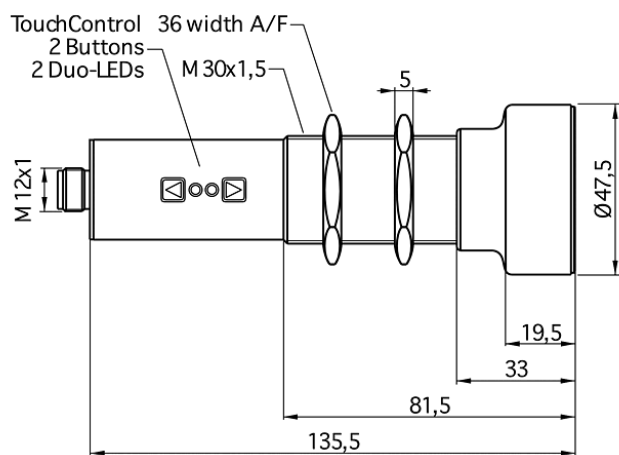
extract from our online catalogue:

mic-301/D/HV/M30 R1

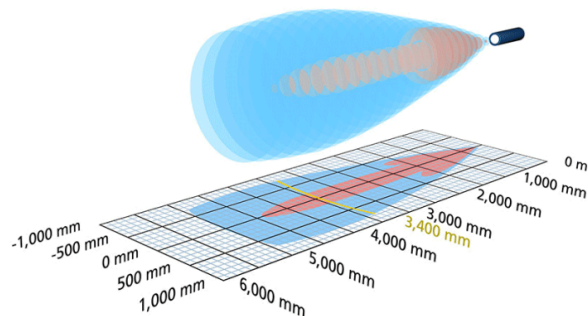
current to: 2026-09-03

mic-301/D/HV/M30 R1

scale drawing



detection zone



Successor model available

mic+340/D/TC



1 x pnp



5,000 mm

design

cylindrical M30

operating mode

proximity switch/reflective mode
reflective barrier
window mode

particularities

archive sensor

Ultrasonic-Specific

means of measurement

echo propagation time measurement

transducer frequency

120 kHz

blind zone

350 mm

operating range

3.400 mm

max. range

5,000 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
switching hysteresis	50 mm
switching frequency	3 Hz
response delay	180 ms
delay prior to availability	< 1,500 ms

Inputs

input 1	com input synchronisation input
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housing

material	brass sleeve, nickel-plated, 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	310 g
further versions	mic-301/D/HV/M30E R1
further versions	stainless steel

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

