



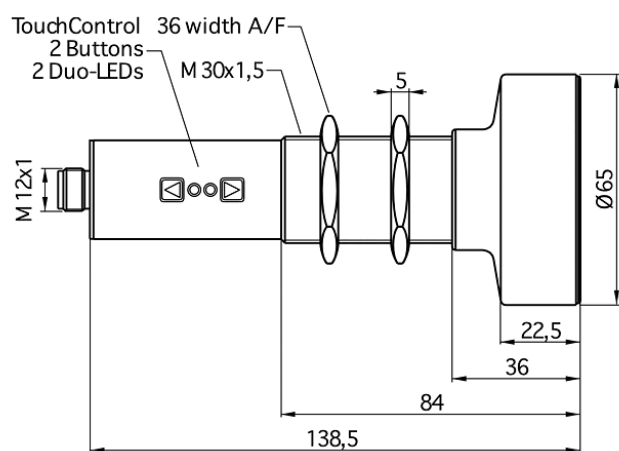
extract from our online catalogue:

***mic-601/DD/HV/M30E R1***

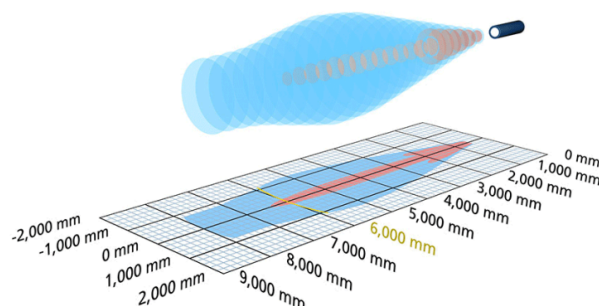
current to: 2026-09-22

# mic-601/DD/HV/M30E R1

## scale drawing



## detection zone



Successor model available

mic+600/DD/TC/E



2 x pnp

8,000 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

80 kHz

blind zone

800 mm

operating range

6.000 mm

max. range

8,000 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<br>pnp: $I_{\max} = 200 \text{ mA}$ ( $U_B - 2V$ )<br>NOC/NCC adjustable, short-circuit-proof |
| Ausgang 2                   | switching output<br>pnp: $I_{\max} = 200 \text{ mA}$ ( $U_B - 2V$ )<br>NOC/NCC adjustable, short-circuit-proof |
| switching hysteresis        | 100 mV                                                                                                         |
| switching frequency         | 2 Hz                                                                                                           |
| response delay              | 240 ms                                                                                                         |
| delay prior to availability | < 1,500 ms                                                                                                     |

## Inputs

|         |                                    |
|---------|------------------------------------|
| input 1 | com input<br>synchronisation input |
|---------|------------------------------------|

## 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                          | 360 g                                              |

## Technical Features/Characteristics

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

## Accessories

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| deployable accessory | KST5A-2/M12<br>KST5A-5/M12<br>KST5G-2/M12<br>KST5G-5/M12 |
|----------------------|----------------------------------------------------------|

## pin assignment

