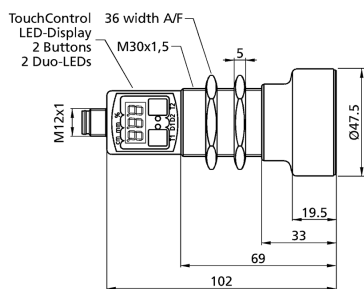
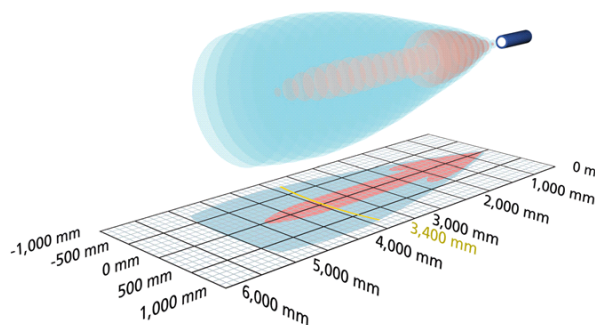


# mic+340/DIU/TC

## scale drawing



## detection zone



1 x pnp + 1 x analogue 4-20 mA / 0-10 V

5,000 mm

|                 |                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------|
| measuring range | 350 - 5.000 mm                                                                                         |
| design          | cylindrical M30                                                                                        |
| operating mode  | proximity switch/reflective mode<br>reflective barrier<br>window mode<br>analogue distance measurement |
| particularities | Display<br>UL Listed                                                                                   |

## ultrasonic-specific

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| means of measurement | echo propagation time measurement                   |
| transducer frequency | 120 kHz                                             |
| blind zone           | 350 mm                                              |
| operating range      | 3,400 mm                                            |
| maximum range        | 5,000 mm                                            |
| resolution           | 0.18 mm to 1.5 mm, depending on the analogue window |
| 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 | ≤ 80 mA                                    |
| type of connection          | 5-pin M12 initiator plug                   |

# mic+340/DIU/TC

## outputs

|                             |                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| output 1                    | analogue output<br>current: 4-20 mA / voltage: 0-10 V (at $U_B \geq 15$ V), short-circuit-proof<br>switchable rising/falling |
| output 2                    | switching output<br>pnp: $I_{max} = 200$ mA ( $U_B - 2$ V)<br>NOC/NCC adjustable, short-circuit-proof                        |
| switching hysteresis        | 50 mm                                                                                                                        |
| switching frequency         | 4 Hz                                                                                                                         |
| response time               | 180 ms                                                                                                                       |
| delay prior to availability | < 380 ms                                                                                                                     |

## inputs

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

## housing

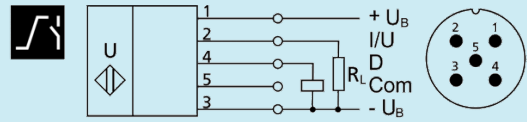
|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| material                        | brass sleeve, nickel-plated, plastic parts, PBT, TPU |
| ultrasonic transducer           | polyurethane foam, epoxy resin with glass contents   |
| class of protection to EN 60529 | IP 67                                                |
| operating temperature           | -25°C to +70°C                                       |
| storage temperature             | -40°C to +85°C                                       |
| weight                          | 210 g                                                |
| further versions                | stainless steel<br>cable connection (on request)     |
| further versions                | <a href="#">mic+340/DIU/TC/E</a>                     |

## technical features/characteristics

|                          |                                                                               |
|--------------------------|-------------------------------------------------------------------------------|
| temperature compensation | yes                                                                           |
| controls                 | 2 push-buttons + LED display (TouchControl)                                   |
| scope for settings       | Teach-in and numeric configuration via TouchControl<br>LCA-2 with LinkControl |
| Synchronisation          | yes                                                                           |
| multiplex                | yes                                                                           |
| indicators               | 3-digit LED display, 2 x three-colour LED                                     |
| particularities          | Display<br>UL Listed                                                          |

# mic+340/DIU/TC

## pin assignment



order no.

**mic+340/DIU/TC**

The content of this document is subject to technical changes.  
Specifications in this document are presented in a descriptive way  
only. They do not warrant any product features.