



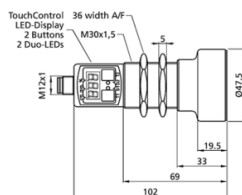
extract from our online catalogue:

***vnp-340/D/TC***

current to: 2026-09-03

# vnp-340/D/TC

## scale drawing



## detection zone



Successor model available

please inquire

 1 x pnp

 5,000 mm

design

cylindrical M30

operating mode

proximity switch/reflective mode  
window mode

particularities

virtual zero settable  
display

## 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

≤ 80 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 |
| switching hysteresis        | 50 mm                                                                                                          |
| switching frequency         | 3 Hz                                                                                                           |
| response delay              | 180 ms                                                                                                         |
| delay prior to availability | < 300 ms                                                                                                       |

## Inputs

|         |                                                      |
|---------|------------------------------------------------------|
| input 1 | com input<br>synchronisation input<br>teach-in 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                          | 170 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               | 3-digit LED display, 2 x three-colour LED                                     |

## Accessories

|                      |                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------|
| deployable accessory | KST5A-2/M12<br>KST5A-5/M12<br>KST5G-2/M12<br>KST5G-5/M12<br>BF-30<br>UF-90/M30<br>LCA-2 |
|----------------------|-----------------------------------------------------------------------------------------|

## pin assignment

