



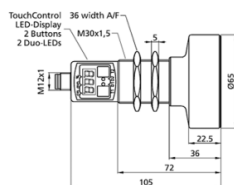
extract from our online catalogue:

***vnp-600/DIU/TC***

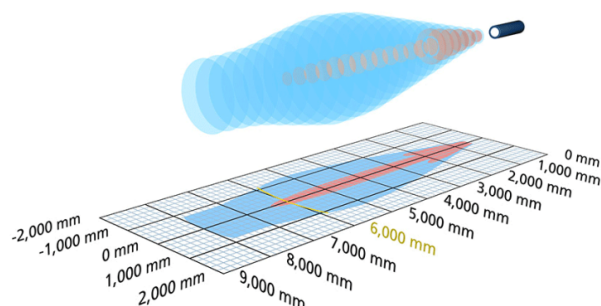
current to: 2026-09-03

# vnp-600/DIU/TC

## scale drawing



## detection zone



Successor model available

please inquire

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

 8,000 mm

design

cylindrical M30

operating mode

Näherungsschalter/Reflexionstaster  
Fensterbetrieb  
analoge Distanzmessung

particularities

virtual zero settable  
display

## Ultrasonic-Specific

means of measurement

echo propagation time measurement

transducer frequency

80 kHz

blind zone

600 mm

operating range

6.000 mm

max. range

8,000 mm

resolution

0.18 mm to 2.4 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

## 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 |
| Ausgang 2                   | switching output<br>pnp: $I_{\max} = 200$ mA ( $U_B - 2$ V)<br>NOC/NCC adjustable, short-circuit-proof                       |
| switching hysteresis        | 100 mV                                                                                                                       |
| switching frequency         | 2 Hz                                                                                                                         |
| response delay              | 240 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                          | 220 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

