



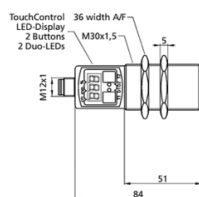
extract from our online catalogue:

vnp-25/DIU/TC

current to: 2026-09-03

vnp-25/DIU/TC

scale drawing



detection zone



Successor model available

please inquire



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

350 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

320 kHz

blind zone

30 mm

operating range

250 mm

max. range

350 mm

resolution

0.025 mm to 0.10 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 current: 4-20 mA / voltage: 0-10 V (at $U_B \geq 15$ V), short-circuit-proof switchable rising/falling
Ausgang 2	switching output pnp: $I_{\max} = 200$ mA ($U_B - 2$ V) NOC/NCC adjustable, short-circuit-proof
switching hysteresis	3 mm
switching frequency	25 Hz
response delay	32 ms
delay prior to availability	< 300 ms

Inputs

input 1	com input synchronisation input teach-in 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 67
operating temperature	-25°C to +70°C
storage temperature	-40°C to +85°C
weight	110 g

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	3-digit LED display, 2 x three-colour LED

Accessories

deployable accessory	KST5A-2/M12 KST5A-5/M12 KST5G-2/M12 KST5G-5/M12 BF-30 UF-90/M30 LCA-2
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pin assignment

