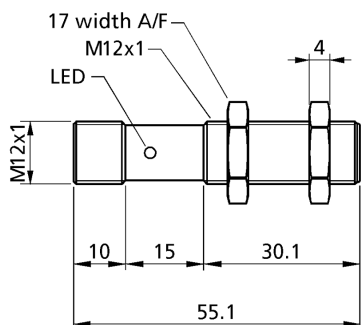
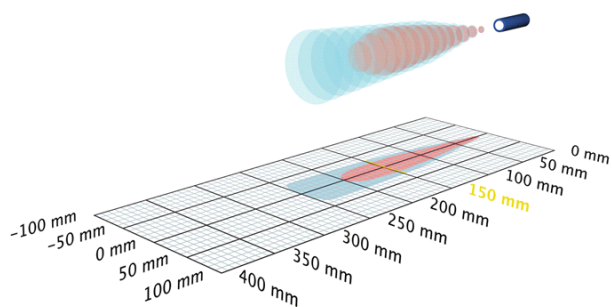


# nano-15/CE

## scale drawing



## detection zone



1 x npn



250 mm

operating range	20 - 250 mm
design	cylindrical M12
operating mode	proximity switch/reflective mode reflective barrier window mode
particularities	narrow sound field

## ultrasonic -specific

means of measurement	echo propagation time measurement
transducer frequency	380 kHz
blind zone	20 mm
operating range	150 mm
maximum range	250 mm
reproducibility	$\pm 0.15\%$
accuracy	$\pm 1\%$ (temperature drift internally compensated)

## electrical data

operating voltage $U_B$	10 - 30 V d.c., reverse polarity protection
voltage ripple	$\pm 10\%$
Leerlaufstromaufnahme	$\leq 25$ mA
type of connection	4-pin M12 initiator plug

# nano-15/CE

## outputs

output 1	switching output npn: $I_{\max} = 200 \text{ mA}$ ( $-U_B+2V$ ) NOC/NCC adjustable, short-circuit-proof
switching hysteresis	2.0 mm
switching frequency	30 Hz
response time	24 ms
delay prior to availability	< 300 ms

## inputs

input 1	Teach-in input
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## housing

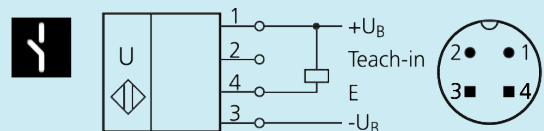
material	brass sleeve, nickel-plated, plastic parts, PBT
ultrasonic transducer	polyurethane foam, epoxy resin with glass contents
class of protection to EN 60529	IP 67
operating temperature	-25°C to +70°C
storage temperature	-40°C to +85°C
weight	15 g

## technical features/characteristics

scope for settings	Teach-in Teach-in über Com-Eingang an Pin 2
indicators	1 x LED green: working, 1 x LED yellow: switch status
particularities	narrow sound field

## documentation (download)

### pin assignment



order no.

**nano-15/CE**