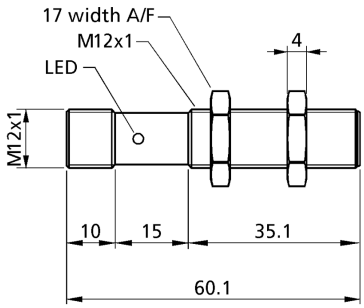
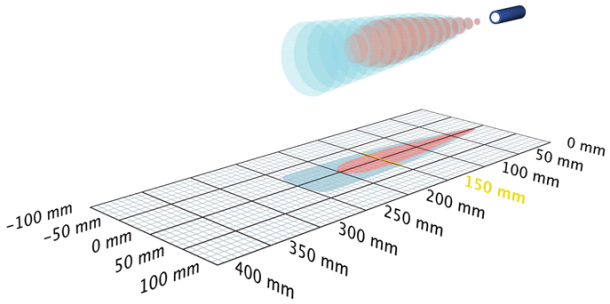
nano-15/CU

scale drawing



detection zone



1 x analogue 0-10 V

250 mm

operating range	20 - 250 mm
design	cylindrical M12
operating mode	analogue distance measurements
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	± 0.15 %
accuracy	± 1 % (temperature drift internally compensated)

electrical data

operating voltage U_B	15 V bis 30 V DC, verpolfest
voltage ripple	± 10 %
Leerlaufstromaufnahme	≤ 25 mA
type of connection	4-pin M12 initiator plug

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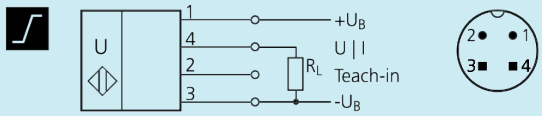
outputs	
output 1	analogue output voltage: 0-10 V (at $U_B \geq 15$ V), short-circuit-proof switchable rising/falling
response time	24 ms
delay prior to availability	< 300 ms

inputs	
input 1	Teach-in input

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: object in the window
particularities	narrow sound field

documentation (download)	
pin assignment	
order no.	**nano-15/CU**