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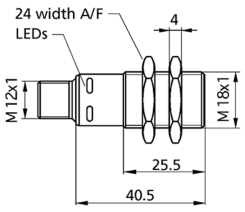
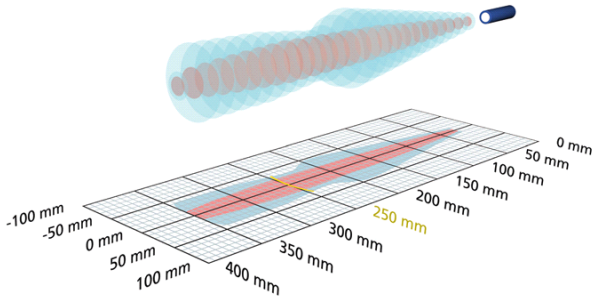
scale drawing



detection zone



1 x analogue 0-10 V

350 mm

operating range	30 - 350 mm
design	cylindrical M18
operating mode	analogue distance measurements

ultrasonic -specific

means of measurement	echo propagation time measurement
transducer frequency	320 kHz
blind zone	30 mm
operating range	250 mm
maximum range	350 mm
resolution/sampling rate	0.069 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	15 V bis 30 V DC, verpolfest
voltage ripple	± 10 %
Leerlaufstromaufnahme	≤ 40 mA
type of connection	5-pin M12 initiator plug

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outputs	
output 1	analogue output voltage: 0-10 V, short-circuit-proof switchable rising/falling
response time	32 ms
delay prior to availability	< 300 ms

inputs	
input 1	com input synchronisation input teach-in input

housing	
material	brass sleeve, nickel-plated, plastic parts, PBT
ultrasonic transducer	polyurethane foam, epoxy resin with glass contents
max. tightening torque of nuts	15 Nm
class of protection to EN 60529	IP 67
operating temperature	-25°C to +70°C
storage temperature	-40°C to +85°C
weight	30 g
further versions	90° angular head
further versions	pico+25/WK/U

technical features/characteristics	
temperature compensation	yes
controls	com input
scope for settings	Teach-in via com input on pin 5 LCA-2 with LinkControl
Synchronisation	yes
multiplex	yes
indicators	1 x LED green: working, 1 x LED yellow: object in the window

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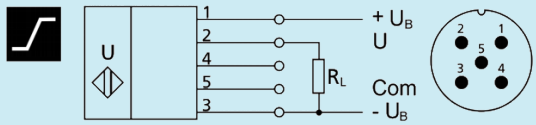
documentation (download)

pin assignment



order no.	**pico+25/U**