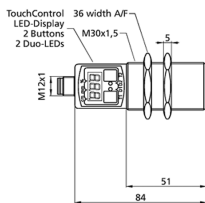
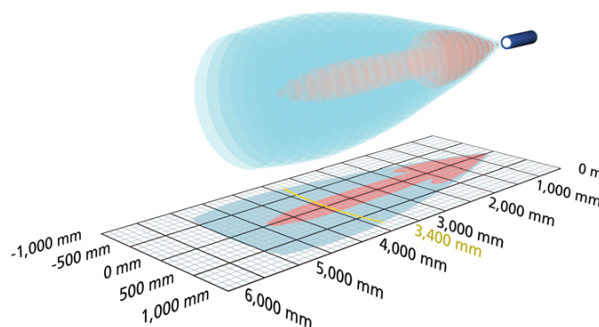


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scale drawing



detection zone



2 x npn



2,000 mm

operating range	200 - 2.000 mm
design	cylindrical M30
operating mode	proximity switch/reflective mode reflective barrier window mode
particularities	display

ultrasonic -specific

means of measurement	echo propagation time measurement
transducer frequency	200 kHz
blind zone	200 mm
operating range	1,300 mm
maximum range	2,000 mm
resolution/sampling rate	0.18 mm
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 %
Leerlaufstromaufnahme	≤ 80 mA
type of connection	5-pin M12 initiator plug

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outputs

output 1	switching output npn: $I_{\max} = 200 \text{ mA}$ ($-U_B+2V$) NOC/NCC adjustable, short-circuit-proof
output 2	switching output npn: $I_{\max} = 200 \text{ mA}$ ($-U_B+2V$) NOC/NCC adjustable, short-circuit-proof
switching hysteresis	20 mm
switching frequency	6 Hz
response time	110 ms
delay prior to availability	< 300 ms

inputs

input 1	com input synchronisation 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
further versions	cable connection (on request)

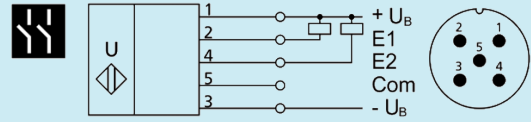
technical features/characteristics

temperature compensation	yes
controls	2 push-buttons + LED display (TouchControl)
scope for settings	Teach-in and numeric configuration via TouchControl LCA-2 with LinkControl
Synchronisation	yes
multiplex	yes
indicators	3-digit LED display, 2 x three-colour LED
particularities	display

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[documentation \(download\)](#)

pin assignment



order no.

mic+130/EE/TC