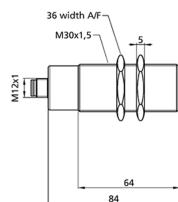
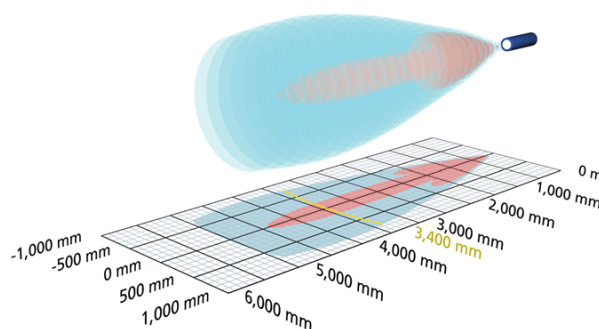


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scale drawing



detection zone



echo output



operating range	200 - 2.000 mm
design	cylindrical M30
operating mode	sensor for evaluators

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
reproducibility	± 0.15 %
accuracy	temperature drift 0.17 %/K

electrical data

operating voltage U_B	9 - 30 V d.c., reverse polarity protection
voltage ripple	± 10 %
Leerlaufstromaufnahme	≤ 30 mA
type of connection	4-pin M12 initiator plug

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outputs

output 1	signal output echo pnp: $I_{max} = 10 \text{ mA}$ (signal output echo)
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inputs

recommended transmitted pulse length	150 μs
recommended measuring cycle time	20 ms
description	controlled by open collector (npn), $I_C \geq 3 \text{ mA}$, $U_{CE} \geq 30 \text{ V}$
input 1	signal input - transmitter

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 65
operating temperature	-25°C to +70°C
storage temperature	-40°C to +85°C
weight	140 g
further versions	stainless steel cable connection (on request)

technical features/characteristics

controls	no
scope for settings	no
Synchronisation	yes
multiplex	yes
indicators	no

documentation (download)

pin assignment



order no.

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