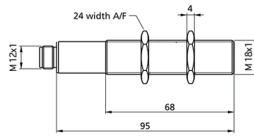
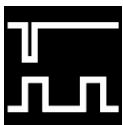
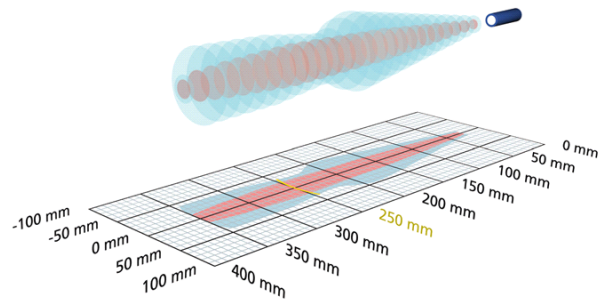


wms-25/RT/HV/M18

scale drawing



detection zone



echo output



350 mm

operating range	30 - 350 mm
design	cylindrical M18
operating mode	sensor for evaluators

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
reproducibility	$\pm 0.15 \%$
accuracy	temperature drift 0.17 %/K

electrical data

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

wms-25/RT/HV/M18

outputs

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

recommended transmitted pulse length	25 μs
recommended measuring cycle time	8 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	-20°C to +70°C
storage temperature	-40°C to +85°C
weight	60 g
further versions	stainless steel
further versions	wms-25/RT/HV/M18E

technical features/characteristics

temperature compensation	durch Ultraschall-Referenzmessung
controls	no
scope for settings	no
Synchronisation	yes
multiplex	yes
indicators	no

documentation (download)

pin assignment



order no.

wms-25/RT/HV/M18