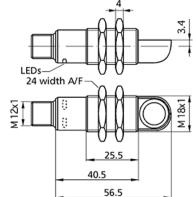
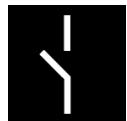
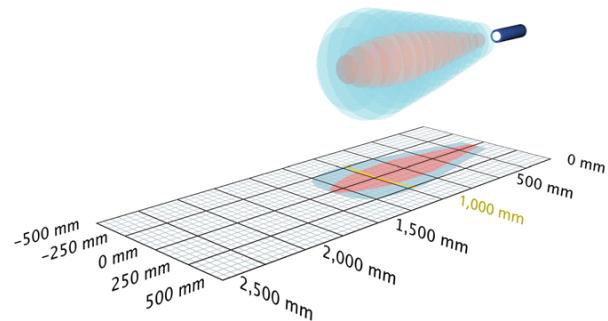


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scale drawing



detection zone



1 x Push-Pull



1,300 mm

operating range

120 - 1.300 mm

design

cylindrical M18 with radially-arranged ultrasonic transducer (90° angular head)

operating mode

proximity switch/reflective mode  
reflective barrier  
window mode

particularities

90°-Winkelkopf  
IO-Link

## ultrasonic-specific

means of measurement echo propagation time measurement

transducer frequency 200 kHz

blind zone 120 mm

operating range 1,000 mm

maximum range 1,300 mm

resolution/sampling rate 0.069 mm

reproducibility  $\pm 0.15 \%$

accuracy  $\pm 1 \%$  (temperature drift internally compensated)

## electrical data

operating voltage  $U_B$  10 - 30 V d.c., reverse polarity protection

voltage ripple  $\pm 10 \%$

Leerlaufstromaufnahme  $\leq 40 \text{ mA}$

type of connection 5-pin M12 initiator plug

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## outputs

output 1	Schaltausgang Push-Pull, U_B=3 V, -U_B+3 V, I <sub>max</sub> = 100 mA
switching hysteresis	20 mm
switching frequency	10 Hz
response time	80 ms
delay prior to availability	< 300 ms

## inputs

input 1	com input synchronisation input teach-in input
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## 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	35 g

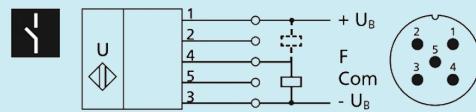
## technical features/characteristics

temperature compensation	yes
controls	com input
scope for settings	Teach-in via com input on pin 5 LCA-2 with LinkControl IO-Link
Synchronisation	yes
multiplex	yes
indicators	1 x LED green: working, 1 x LED yellow: switch status
particularities	90°-Winkelkopf IO-Link

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[documentation \(download\)](#)

pin assignment



order no.

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