

Ultraschall-Sensoren | Ultrasonic sensors

- Lieferbar als Ultraschall-Taster oder Ultraschall-Schranke
- Axialer oder radialer Schallaustritt
- Arbeitsbereich über Teach-Eingang einstellbar
- Unempfindlich gegen Verschmutzung und Fremdschall durch große Funktionsreserve
- Kleiner Blindbereich
- Metallgehäuse
- Kleine Bauform
- Hohe Schutzart

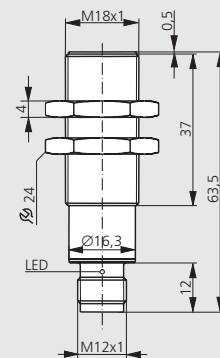
- Available as ultrasonic sensor or ultrasonic barrier
- Sound outlet axial or radial
- Scanning range adjustable via teach input
- Insensitive to dirt and ambient noise due to a large functional reserve
- Small blind zone
- Metal housing
- Small design
- High protection class

Arbeitsbereich
Scanning range

200 mm



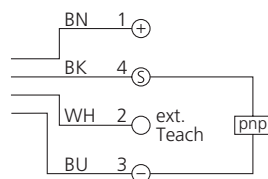
Ultraschall-Taster, axialer Schallaustritt
Ultrasonic sensor, sound outlet axial



CAD ⇒ www.di-soric.de

mm (typ.)

Anschlussschema
Connection diagram



BN = Braun / brown
BK = Schwarz / black
BU = Blau / blue
WH = Weiß / white

Technische Daten	Technical Data	bei + 20 °C, 24 V DC / at + 20 °C, 24 V DC
Arbeitsbereich	Scanning range	30 ... 200 mm
Einstellbereich	Adjustment range	50 ... 200 mm
Fensterbreite	Tolerance	–
Normmessplatte	Standard target	20 x 20 mm
Hysterese	Hysteresis	10 mm
Wiederholgenauigkeit	Repeat accuracy	± 1 mm
Sendefrequenz	Operating frequency	400 kHz
Betriebsspannung	Service voltage	20 ... 30 V DC
Eigenstromaufnahme	Internal power consumption	≤ 20 mA
Ausgang	Output	Transistor pnp, 150 mA, NO
Spannungsfall	Voltage drop	≤ 2,0 V
Schaltfrequenz	Switching frequency	≤ 10 Hz
Ansprechzeit	Response time	0,05 s
Umgebungstemperatur	Ambient temperature	-25 ... +70 °C
Isolationsspannungsfestigkeit	Insulation voltage endurance	500 V
Schutzart	Protection class	IP 67
Gehäusematerial	Casing material	Messing vernickelt / nickel-plated brass
Wandleroberfläche	Transducer surface	Epoxidharz / epoxy resin
Wandlerabdeckung	Transducer enclosure	PBTP (Crastin)
Bestelltabelle	Ordering Table	Typ / Model
Ausgang	Output	
pnp, NO	pnp, NO	USCTI 18 M 200 FPSK-BSL
Anschlusskabel (sep. Datenblatt)	Connecting cable (sep. data-sheet)	VK ... /4

Arbeitsbereich
Scanning range

200 mm



Arbeitsbereich
Scanning range

200 mm

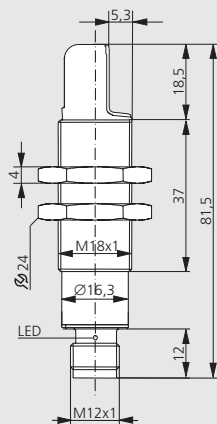


Arbeitsbereich
Scanning range

200 mm



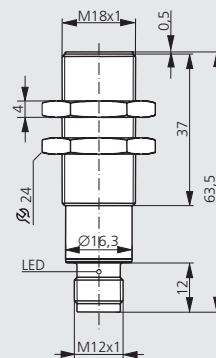
Ultraschall-Taster, radialer Schallaustritt
Ultrasonic sensor, sound outlet radial



CAD ⇒ www.di-soric.de

mm (typ.)

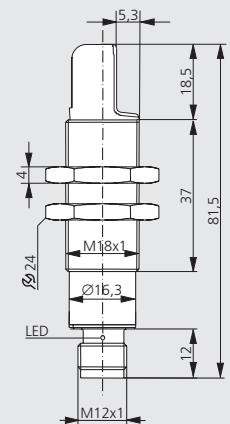
Ultraschall-Schranke, axialer Schallaustritt
Ultrasonic barrier, sound outlet axial



CAD ⇒ www.di-soric.de

mm (typ.)

Ultraschall-Schranke, radialer Schallaustritt
Ultrasonic barrier, sound outlet axial



CAD ⇒ www.di-soric.de

mm (typ.)

30 ... 200 mm

50 ... 200 mm

–

20 x 20 mm

10 mm

± 1 mm

400 kHz

20 ... 30 V DC

≤ 20 mA

Transistor pnp, 150 mA, NO

≤ 2,0 V

≤ 10 Hz

0,05 s

-25 ... +70 °C

500 V

IP 67

Messing vernickelt / nickel-plated brass

Epoxidharz / epoxy resin

PBTP (Crastin)

0 ... 200 mm

120 ... 220 mm

20 mm

20 x 20 mm

2 mm

–

400 kHz

20 ... 30 V DC

≤ 20 mA

Transistor pnp, 150 mA, NO

≤ 2,0 V

≤ 10 Hz

0,05 s

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500 V

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VK ... /4

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VK ... /4

USCRTI 18 MR 200 FPSK-BSL

VK ... /4