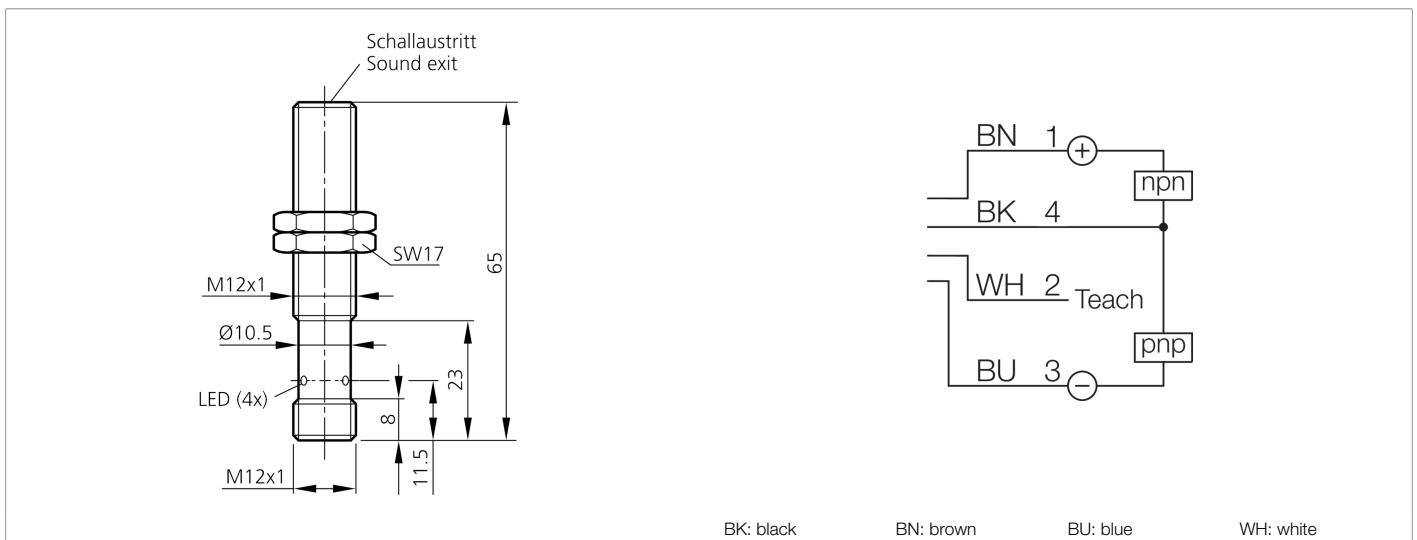




**212883**  
**US 12 M 400 G3-B4**  
**Ultrasonic sensor**

- IO-Link
- Configurable as an ultrasonic sensor or barrier
- 3 different teach modes
- Working range adjustable
- Very narrow detection beam / small blind zone
- Switching functions: Closer/opener, window function teachable
- Resistant to dirt
- Small design
- Robust metal housing
- Protection class IP 67



Function													

Technical data (typ.)	+20°C, 24 V DC
Service voltage	18 ... 30 V DC
No-load current (max.)	40 mA (24 V DC)
Inverse polarity protection	Yes
Short-circuit protection	Yes
Insulation voltage endurance	500 V
Housing dimensions	M12 x 65 mm
Thread	M12 x 1
Housing length	65 mm
Transmission exit	axial
Assembly distance (sensor to sensor)	200 mm
Housing material	Brass (CuZn, nickel-plated)
Material	Epoxy resin, PUR (Transducer surface)
Weight	18 g
Protection class	III, operation on protective low voltage
Approvals	UL
Operating principle	Ultrasonic sensor, Ultrasonic barrier
Evaluation	digital (With IO-Link)
Design	Thread
Characteristics	IO-Link
Parallel operation possible	No



**212883**  
**US 12 M 400 G3-B4**  
**Ultrasonic sensor**

Technical data (typ.)	+20°C, 24 V DC
Scope of delivery	Sensor, 2 x M12 nuts
Functions	Teach (Pin 2), Out 1, IO-Link (Pin 4)
Switching output	Push-pull, 150 mA, NO/NC, switchable
Max. switch current	150 mA
Voltage drop (max.)	2 V
Interface	IO-Link (V1.1, COM2 38.4 kBd, Smart Sensor Profile)
Nominal switching distance (Sn)	400 mm
Range	40 ... 400 mm
Adjustment range	40 ... 400 mm (Teach in)
Resolution	1.0 mm
Standardized measuring plate	200 x 200 mm
Switching hysteresis (max.)	2 ... 20 mm (Adjustable by IO-Link)
Reproducibility	< 1.5 mm
Sensitivity adjustment	Remote teach
Display	LED 1x Green - Status, 1x yellow - Switching output
Ultrasonic frequency	300 kHz
Switching frequency	10 Hz
Readiness delay (max.)	300 ms
Shock/vibration load	30 g, 11 ms / 10 ... 55 Hz, 1.0 mm
Ambient temperature during operation	-25 ... +70 °C
Temperature drift	0.2 %/K (uncompensated)
Temperature drift	< 1 %/Sn (compensated)
Protection type	IP 67
Connection	Connector, M12, 4-pin
Connection cable	VKHM ... /4
<b>More information / accessories</b>	<b><a href="https://www.di-soric.com/212883">https://www.di-soric.com/212883</a></b>