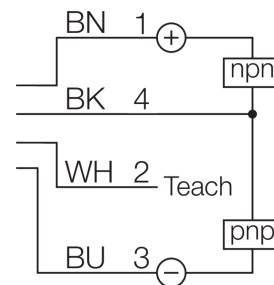
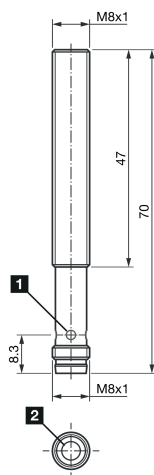




210539
US 08 M 100 G3-T4
Ultrasonic sensor

- IO-Link
- Configurable as an ultrasonic sensor or barrier
- 3 different teach modes
- Resistant to dirt
- Extremely small design
- Metal casing
- Plug connector M8
- Protection class IP 67



1) LED 4 x 90° (yellow) 2) Sound outlet ultrasonic transducer BK: black BN: brown BU: blue WH: white

Function

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Technical data (typ.)	+20°C, 24 V DC
Service voltage	18 ... 30 V DC
No-load current (max.)	30 mA (24 V DC)
Inverse polarity protection	Yes
Short-circuit protection	Yes
Insulation voltage endurance	500 V
Thread	M8 x 1
Housing length	70 mm
Transmission exit	axial
Assembly distance (sensor to sensor)	60 mm
Housing material	Brass (CuZn, nickel-plated)
Material	Epoxy resin, PUR (Transducer surface)
Weight	10 g
Protection class	III, operation on protective low voltage
Approvals	UL
Operating principle	Ultrasonic sensor, Ultrasonic barrier
Evaluation	digital
Design	Thread
Characteristics	IO-Link
Parallel operation possible	No
Scope of delivery	Sensor, 2 x M8 nuts



210539
US 08 M 100 G3-T4
Ultrasonic sensor

Technical data (typ.)	+20°C, 24 V DC
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)	100 mm
Range	20 ... 100 mm
Adjustment range	20 ... 100 mm (Teach in)
Resolution	0.1 mm
Standardized measuring plate	20 x 20 mm
Switching hysteresis (max.)	1 ... 5 mm (Adjustable by IO-Link)
Reproducibility	< 0.3 mm
Sensitivity adjustment	Remote teach
Display	LED Green - Status, 1x yellow - Switching output
Ultrasonic frequency	484 kHz
Switching frequency	< 20 Hz
Readiness delay (max.)	300 ms
Shock/vibration load	30 g, 11 ms / 10 ... 55 Hz, 1.0 mm
Ambient temperature during operation	0 ... +50 °C
Temperature drift	0.2 %/K (uncompensated)
Temperature drift	< 1 %/Sn (compensated)
Protection type	IP 67
Connection	Connector, M8, 4-pin
Connection cable	TK ... /4
More information / accessories	https://www.di-soric.com/210539