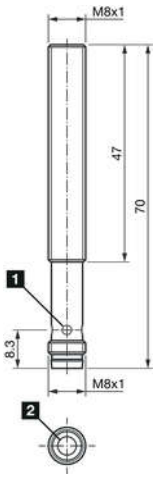
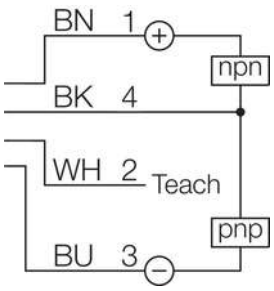
210539
US 08 M 100 G3-T4
Ultrasonic sensor

- 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

IO-Link | NO+NC

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

© di-soric . Right to change reserved