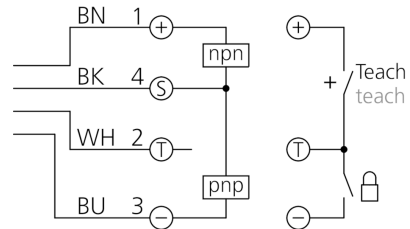
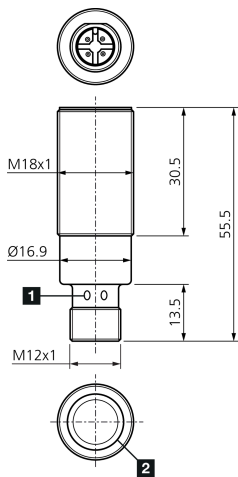




209866
US 18 M 1500 G3-B4
Ultrasonic sensor

- IO-Link
- 3 different teach modes
- Resistant to dirt
- Metal casing
- Plug connector M12
- Protection class IP 67



1) LED 2 x 2 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.)	35 mA (24 V DC)
Inverse polarity protection	Yes
Short-circuit protection	Yes
Insulation voltage endurance	500 V
Thread	M18 x 1
Transmission exit	axial
Assembly distance (sensor to sensor)	400 mm
Housing material	Brass (CuZn, nickel-plated)
Material	Epoxy resin, PUR (Transducer surface)
Protection class	III, operation on protective low voltage
Approvals	UL
Operating principle	Ultrasonic sensor, Ultrasonic sensor
Evaluation	digital (With IO-Link)
Design	Thread
Characteristics	IO-Link
Scope of delivery	2 x M18 nuts
Switching output	Push-pull, 150 mA, NO/NC, switchable
Max. switch current	150 mA
Voltage drop (max.)	2 V



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US 18 M 1500 G3-B4
Ultrasonic sensor

Technical data (typ.)	+20°C, 24 V DC
Interface	IO-Link (V1.1, COM2 38.4 kBd, Smart Sensor Profile)
Nominal switching distance (Sn)	1500 mm
Range	150 ... 1500 mm
Adjustment range	150 ... 1500 mm (Teach in)
Resolution	1.0 mm
Standardized measuring plate	100 x 100 mm
Switching hysteresis (max.)	6 ... 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	200 kHz
Switching frequency	5 Hz ... 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)
Protection type	IP 67
Connection	Connector, M12, 4-pin
Connection cable	VK ...
More information / accessories	https://www.di-soric.com/209866