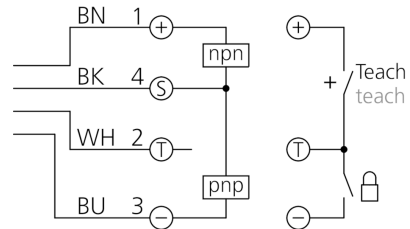
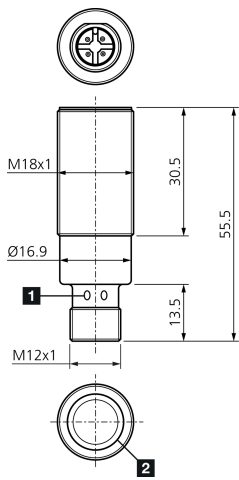




209865
US 18 M 800 G3-B4
Ultrasonic sensor

- 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)	300 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
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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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)	800 mm	
Range	80 ... 800 mm	
Adjustment range	80 ... 800 mm (Teach in)	
Resolution	1.0 mm	
Standardized measuring plate	100 x 100 mm	
Switching hysteresis (max.)	4 ... 20 mm (Adjustable by IO-Link)	
Reproducibility	< 1 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/209865