

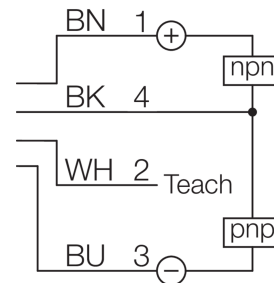
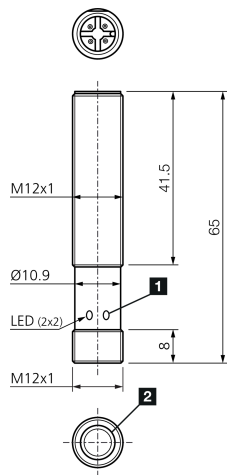


212881

US 12 M 200 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



1) LED 2 x 2 2) Sound outlet ultrasonic transducer BK: black BN: brown BU: blue WH: white

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)	60 mm
Housing material	Brass (CuZn, nickel-plated)
Material	Epoxy resin, PUR (Transducer surface)
Weight	18 g
Protection class	III, operation on protective low voltage
Operating principle	Ultrasonic sensor, Ultrasonic barrier
Evaluation	digital (With IO-Link)
Design	Thread
Characteristics	IO-Link
Parallel operation possible	No
Scope of delivery	Sensor, 2 x M12 nuts



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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)		200 mm	
Range		20 ... 200 mm	
Adjustment range		20 ... 200 mm (Teach in)	
Resolution		1.0 mm	
Standardized measuring plate		100 x 100 mm	
Switching hysteresis (max.)		2 ... 20 mm (Adjustable by IO-Link)	
Reproducibility		< 0.5 mm	
Sensitivity adjustment		Remote teach	
Display		LED 1x Green - Status, 1x yellow - Switching output	
Ultrasonic frequency		400 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		-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	
More information / accessories		https://www.di-soric.com/212881	