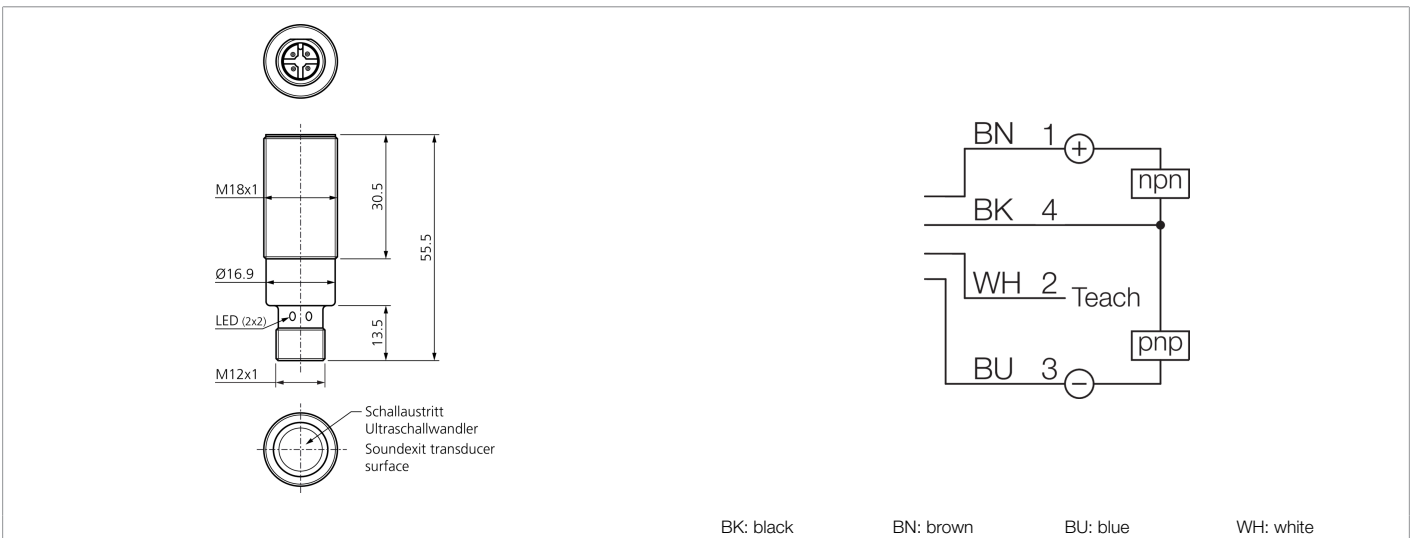




213062
US 18 M 800 G3-B4
Ultrasonic sensor

- 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



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	M18 x 55 mm
Thread	M18 x 1
Housing length	55 mm
Transmission exit	axial
Assembly distance (sensor to sensor)	550 mm
Housing material	Brass (nickel-plated)
Material	Epoxy resin, PUR (Transducer surface)
Weight	30 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



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Ultrasonic sensor

Technical data (typ.)	+20°C, 24 V DC
Scope of delivery	Sensor, 2 x M18 nuts
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)	800 mm
Range	80 ... 800 mm
Adjustment range	80 ... 800 mm (Teach in)
Resolution	1.0 mm (IO-Link)
Standardized measuring plate	200 x 200 mm
Switching hysteresis (max.)	2 ... 20 mm (Adjustable up to 20 mm via 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
Readiness delay (max.)	300 ms
Ambient temperature during operation	-25 ... +70 °C
Temperature drift	0.2 %/K (compensated)
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/213062