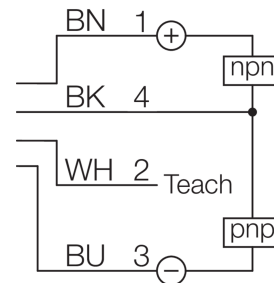
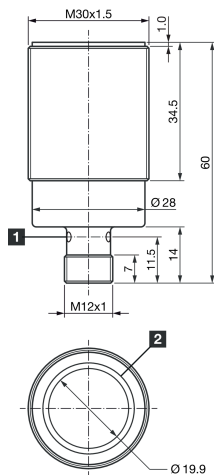




210593
US 30 M 3000 G3-B4
Ultrasonic sensor

- IO-Link
- Configurable as an ultrasonic sensor or barrier
- 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.)	45 mA (24 V DC)
Inverse polarity protection	Yes
Short-circuit protection	Yes
Insulation voltage endurance	500 V
Housing dimensions	M30 x 60 mm
Thread	M30 x 1,5
Transmission exit	axial
Assembly distance (sensor to sensor)	500 mm
Transmission angle of the object	10°
Housing material	Brass (CuZn, nickel-plated)
Material	Epoxy resin, PUR (Transducer surface)
Protection class	III, operation on protective low voltage
Operating principle	Ultrasonic sensor, Ultrasonic barrier
Evaluation	digital (With IO-Link)
Design	Thread
Characteristics	IO-Link
Scope of delivery	Sensor, 2 x M30 nuts
Functions	Teach (Pin 2), Out 1, IO-Link (Pin 4)
Switching output	Push-pull, 100 mA, NO/NC, switchable



210593
US 30 M 3000 G3-B4
Ultrasonic sensor

Technical data (typ.)	+20°C, 24 V DC
Max. switch current	100 mA
Voltage drop (max.)	2,0 V
Interface	IO-Link (V1.1, COM2 38.4 kBd, Smart Sensor Profile)
Nominal switching distance (Sn)	3.000 mm
Range	300 ... 3.000 mm
Adjustment range	300 ... 3.000 mm (Teach in)
Resolution	1,0 mm
Standardized measuring plate	200 x 200 mm
Switching hysteresis (max.)	5 ... 50 mm ((adjustable via IO-Link / 15 mm factory setting))
Reproducibility	2,0 mm
Sensitivity adjustment	Remote teach
Display	LED 1x Green - Status, 1x yellow - Switching output
Switching frequency	125 kHz
Switching frequency	3,0 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	< 1,5 %/Sn (compensated)
Protection type	IP 67
Connection	Connector, M12, 4-pin
Connection cable	VKHM ... /4
More information / accessories	https://www.di-soric.com/210593