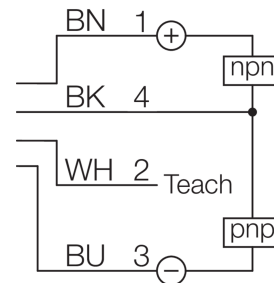
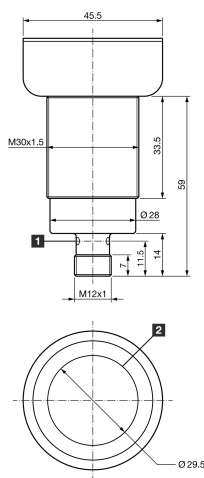




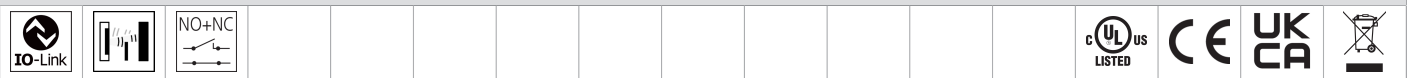
210595
US 30 M 6000 G3-B4
Ultrasonic sensor

- 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



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 78 mm
Thread	M30 x 1.5
Housing length	78 mm
Transmission exit	axial
Assembly distance (sensor to sensor)	1400 mm
Transmission angle of the object	10°
Housing material	Brass (CuZn, nickel-plated)
Material	Epoxy resin, PUR (Transducer surface)
Weight	140 g
Protection class	III, operation on protective low voltage
Approvals	UL
Operating principle	Ultrasonic sensor, Ultrasonic barrier
Evaluation	digital
Design	Thread
Characteristics	IO-Link



210595
US 30 M 6000 G3-B4
Ultrasonic sensor

Technical data (typ.)	+20°C, 24 V DC
Parallel operation possible	No
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
Max. switch current	100 mA
Voltage drop (max.)	2 V
Interface	IO-Link (V1.1, COM2 38.4 kBd, Smart Sensor Profile)
Nominal switching distance (Sn)	6000 mm
Range	600 ... 6000 mm
Adjustment range	600 ... 6000 mm (Teach in)
Resolution	Ø 1.0 mm
Standardized measuring plate	200 x 200 mm
Switching hysteresis (max.)	5 ... 50 mm (Adjustable by IO-Link)
Reproducibility	4.0 mm
Linearity error	± 0.5 %
Sensitivity adjustment	Remote teach
Display	LED 1x Green - Status, 1x yellow - Switching output
Ultrasonic frequency	80 kHz
Switching frequency	2 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/210595