



213063
US 18 M 800 IU-B4
Ultrasonic sensor

Technical data (typ.)	+20°C, 24 V DC
Scope of delivery	Sensor, 2 x M18 nuts
Functions	Analog 0...10V / 4...20mA / 0... 20mA (Pin 2), Teach, Out 1, IO-Link, multiplex, synchronization (PIN 4)
Switching output	Push-pull, 150 mA, NO/NC, switchable
Max. switch current	150 mA
Voltage drop (max.)	2 V
Analog output	0 ... 10 V, 4 ... 20 mA ((0 ... 20 mA IO-Link))
Interface	IO-Link (V1.1, COM2 (38.4kBd) Smart Sensor Profile)
Load resistance	> 10 K Ω (0 ... 10 V) / < 400 Ω (4 ... 20 mA / 0 ... 20 mA)
Nominal switching distance (Sn)	800 mm
Range	80 ... 800 mm
Adjustment range	80 ... 800 mm (Teach in)
Resolution	1,0 mm (Adjusted measuring range/4095 (analog output))
Standardized measuring plate	200 x 200 mm
Switching hysteresis (max.)	2 ... 20 mm (Adjustable up to 20 mm via IO-Link)
Reproducibility	< 1 mm
Linearity error	< 0,5 %
Sensitivity adjustment	Remote teach
Display	LED 1x Green - Status, 1x yellow - Switching output
Measuring frequency	100 Hz
Ultrasonic frequency	200 kHz
Switching frequency	< 5,0 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/213063