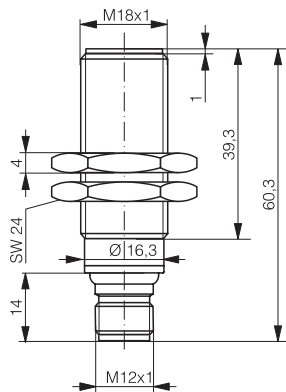


ULTRASONIC SENSORS DIFFUSE UST-M18MC-WMS

HOUSING	OPERATING RANGE	<ul style="list-style-type: none"> ✓ Short stainless steel housing ✓ Diffuse with fore- and background suppression ✓ PNP, NPN or analog output 	<ul style="list-style-type: none"> ✓ Range setting by means of wire ✓ NO/NC configuration by means of wire
M18	80 ... 1200 mm		

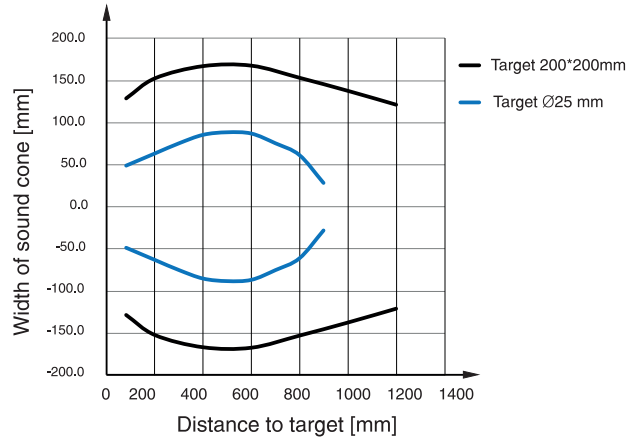


DETECTION DATA		INTERFACE	
Operating range (Sn)	80...1200 mm	Sensitivity adjustment	80...1200 mm, wire teach
Transducer frequency	200 kHz	Indicator LED, yellow	Output state/Teach function
Repeat accuracy	1%	Indicator LED, green	Echo detection
Resolution	3 mm		
Linearity error	1%		
Hysteresis	1%		

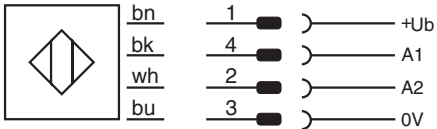
ELECTRICAL DATA		MECHANICAL DATA	
Supply voltage range (U _b)	10...30 VDC	Protection degree	IP67
Residual ripple	≤ 5% V _{pp}	Temperature range	-20...+70°C
Power consumption (no-load)	≤ 35 mA	Temperature compensation	✓
Output current	≤ 100 mA	Housing material	Stainless steel 316L (1.4404)
Switching frequency	≤ 5 Hz	Active head material	Epoxy – glass resin
Analog output (current version)	4...20 mA	Connector type	M12 4-pin
Analog output (voltage version)	0...10 V	Weight (connector version)	80 g
Response time analog	≤ 400 ms	Weight (cable version)	140 g
Short circuit protection	✓		
Voltage reversal protection	✓		



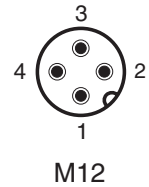
SOUND CONE



WIRING DIAGRAM



PIN ASSIGNMENT



AVAILABLE TYPES

Part number	Part reference	Polarity	Connection	Output (A1)	Input (A2)
605 010 240	UST-M18MC-WMS-303	PNP	Connector M12 4-pin	NO (default)/NC	Teach
605 010 242	UST-M18MC-WMS-301	NPN	Connector M12 4-pin	NO (default)/NC	Teach
605 010 243	UST-M18MC-WMS-309	Analog	Connector M12 4-pin	4...20 mA	Teach
605 010 244	UST-M18MC-WMS-30A	Analog	Connector M12 4-pin	0...10 V	Teach

Note: additional suffix can appear to indicate a revision version or a special version.



PLCs



Acquisition



Instruments



Data logger



Power



HMIs



Switches



Motion



Sensors



Converters



Keyboards



SCADA



Telemetry