

M12 STANDARD SIZE FOR TIGHT SPACES

MINIATURE

ULTRASONIC SENSORS

KEY ADVANTAGES

- ✓ External teach function
- ✓ Small cylindrical housing / Analog and digital outputs available
- ✓ Detection independent of target's color, shape, material and surface structure
- ✓ Excellent temperature compensation

RANGE OVERVIEW	Distance	Diffuse	Diffuse with analog output
MINIATURE	30 ... 400 mm	p. 249	p. 249

HOUSING SIZE

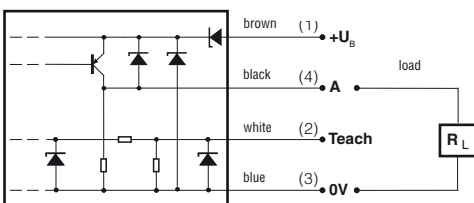
OPERATING PRINCIPLE

SENSING RANGE MM

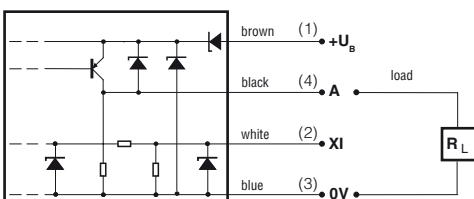
ULTRASONIC

WIRING DIAGRAMS

PNP N.O. with teach-in



PNP N.O. output / Analog output

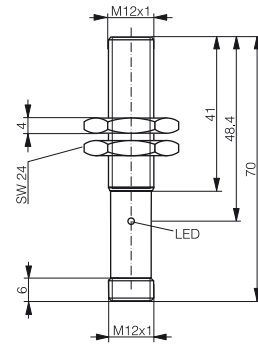
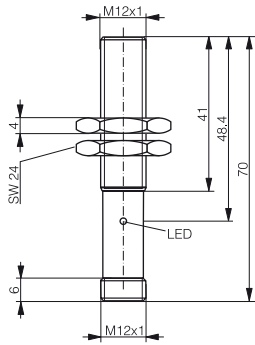
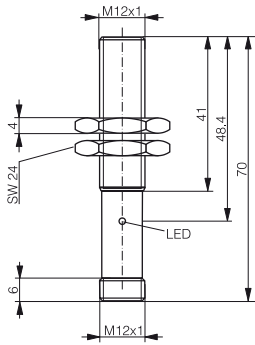


DATA

Housing material
Degree of protection
Rated ultrasonic frequency
Max. switching frequency
Output current
Ambient temperature range
Description
Part reference
Description
Part reference
Description
Part reference
Other types available

MINIATURE

M12	M12 WITH ANALOG OUTPUT	M12 WITH ANALOG OUTPUT
DIFFUSE SENSOR	DIFFUSE SENSOR	DIFFUSE SENSOR
30 ... 400	30 ... 400	30 ... 400



Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
IP 65	IP 65	IP 65
310 kHz	310 kHz	310 kHz
8 Hz	---	---
100 mA	---	---
-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F
1 x PNP NO / S12	Analog 4 ... 20 mA	Analog 0 ... 10 V
UTS-1121-303	UTS-1121-329	UTS-1121-319
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