

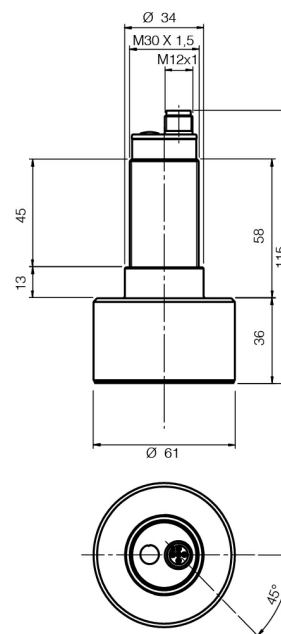
UT5L/G7-1ESY

cylindrical ultrasonic



Micro Detectors

Italian Sensors Technology



Detection properties

Nominal sensing distance	8000mm
Thermal drift of Sr	±5%
Repeat Accuracy	1% valore fondoscala
Beam angle	10° ± 2°
Resolution	1% valore fondoscala
Sensitivity adjustment	Teach-in button
Hysteresis	1% valore fondoscala
thermal compensation	Si
Minimum sensing distance (blind zone)	600mm
Linearity error	1% valore fondoscala

Application

Function Principle

Diffuse reflection

Outputs

Output type

PNP + 0...10V

Output Function	NO/NC + positive/negative slope
Switching frequency	1Hz
Response time	1s

Electrical data

Operating Voltage	10 - 30Vdc
No-Load supply current	25mA
Load current	100mA
Leakage current	≤ 10μA @ 30Vdc
Output voltage drop	2,2V max @ IL=100mA
Max ripple content	5%
LED indicators	Verde: Eco - Giallo: Uscita
Time delay before availability	≤400ms
Short-circuit protection	Sì
Reverse Polarity Protection	Sì
Impulsive Overvoltage Protection	Sì

Mechanical data

Dimensions	ø 61mm / L = 115mm
Weight	400g
Housing Material	AISI316L
Connections	M12 Plug
Tightening torque	100Nm
Operating temperature	-20°C...+70°C
Storage temperature	-30°C...+80°C
Transducer Frequency	40KHz
Diameter/Dimension	M30

Test/Approvals

Approvals	CE cULus
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	IEC EN 60947-5-2 / 7.4
Degree of protection	IP67

Accessories

Supplied Accessories	2 x M30x1,5 dadi
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