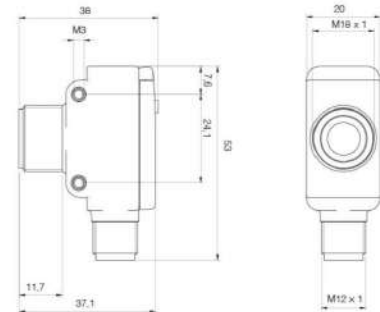


VQ1C/SPC-PC

Ultrasonic Sensor



Detection properties

Nominal sensing distance	800mm
Thermal drift of Sr	±5%
Resolution	3mm
Sensitivity adjustment	Teach-in button
Hysteresis	1%
thermal compensation	Yes
Minimum sensing distance (blind zone)	60mm
Linearity error	1%
Effective Aperture Angle	8° ± 2°

Application

Function Principle: Diffuse reflection

Outputs

Output type	PNP + 4...20mA
Output Function	NO/NC + positive/negative slope
Switching frequency	5Hz
Response time	400ms

Electrical data

Operating Voltage	10 - 30Vdc
No-Load supply current	≤35mA
Load current	100mA
Leakage current	10µA @ 30Vcc
Output voltage drop	2,2Vmax. @ IL=100 mA
Max ripple content	5%
LED indicators	verde: echo - giallo: uscita
Short-circuit protection	si
Reverse Polarity Protection	si
Impulsive Overvoltage Protection	si

Mechanical data

Dimensions	53x38x20mm
Connections	M12 Plug
Tightening torque	1Nm
Operating temperature	- 20°C...+ 70°C
Storage temperature	- 35°C...+ 80° C senza ghiaccio
Transducer Frequency	230kHz
Material	PBT
Diameter/Dimension	Cubic

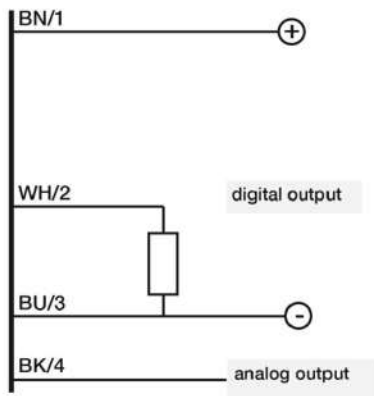
Test/Approvals

Approvals	CE cULus
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	IEC EN60947-5-2 / 7.4
Degree of protection	IP67

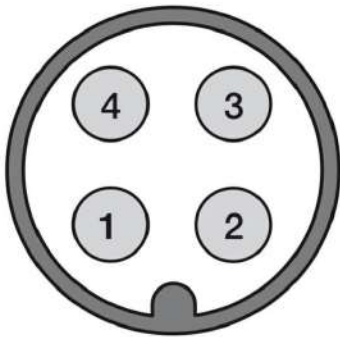
Accessories

Supplied Accessories	1 M18x1 nut
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ELECTRICAL DIAGRAMS OF THE CONNECTIONS

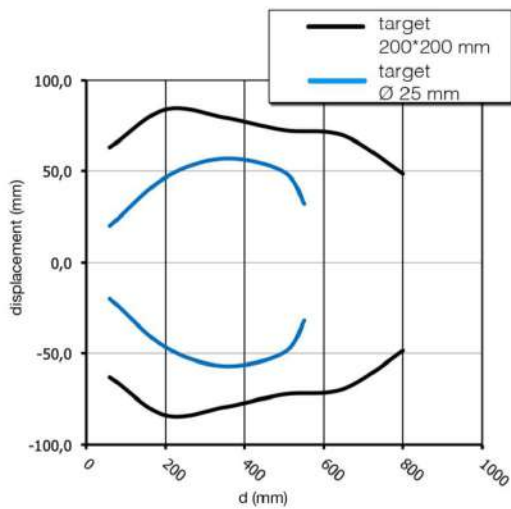


CONNECTOR



RESPONSE CURVES

Disassamento Parallelo



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