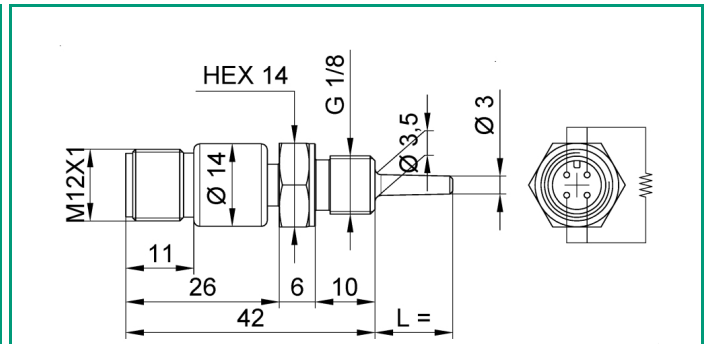


# COMPACT THERMORESISTANCE

Compact thermoresistance suitable for temperatures up to 120°C

Thermoresistance Pt100 ohm  
 Single element  
 4 wires  
 Overmoulded M12x1 connector  
 Protection degree IP67  
 Fast response time with short immersion  
 Suitable for applications in liquids



## TECHNICAL SPECIFICATION

<b>Sensing element</b>	Pt100 Ω @ 0°C
<b>Sensing Element configuration</b>	single 4-wire
<b>Accuracy class in accordance to IEC751 (*)</b> (*) Pt 100 cl.A only available with 3 or 4 wires, cl.AA 4 wires only; Pt 1000 cl. A available with 2 wires only for cable lengths below 1 m, for longer cables only available with 3 or 4 wires, cl. AA 3 wires for cable lengths below 1 m, for longer cables only 4 wires.	cl. A cl. B
<b>Sensing element operating temperature range</b>	-50 ÷ 120°C
<b>Sheath diameter d=</b>	Ø 3,5 tapered conic to Ø 3 mm
<b>Response time (*)</b> (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step	< 3,5 seconds
<b>Sheet material</b>	AISI 316L
<b>Insulation resistance</b>	100 M Ω @ 100 Vdc.
<b>Stem length L</b>	13 mm 24 mm
<b>Type of connector</b>	male 4-pin connector with M12x1 metal screw lock (in accordance with IEC 61076-2-101 STANDARDS)
<b>Connection body material</b>	POLYAMIDE (MOULDED)
<b>Maximum connector temperature</b>	90°C
<b>Fixing system</b>	threaded connection
<b>Process connection (*)</b> (*) Thread STANDARDS (CYL. GAS in accordance with UNI-ISO 228) (CON. GAS in accordance with UNI-ISO 7-1) (NPT in accordance with ANSI B 1.20.1)	1/8" GAS CIL. sec. UNI-ISO 228 M10 x 1
<b>Marking</b>	marked with calibration value at 0 °C, production date and traceability code

## TECHNICAL SPECIFICATION

International protection marking (\*)  
(\*) According to IEC 60529

IP67

Maximum working pressure

PN 100 BAR

## ORDER CODE

TRC#	P1			X
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Class (According to IEC 751)

B	B
A	A

L = (mm)

13	1
24	2

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WE SENSE  
TEMPERATURE