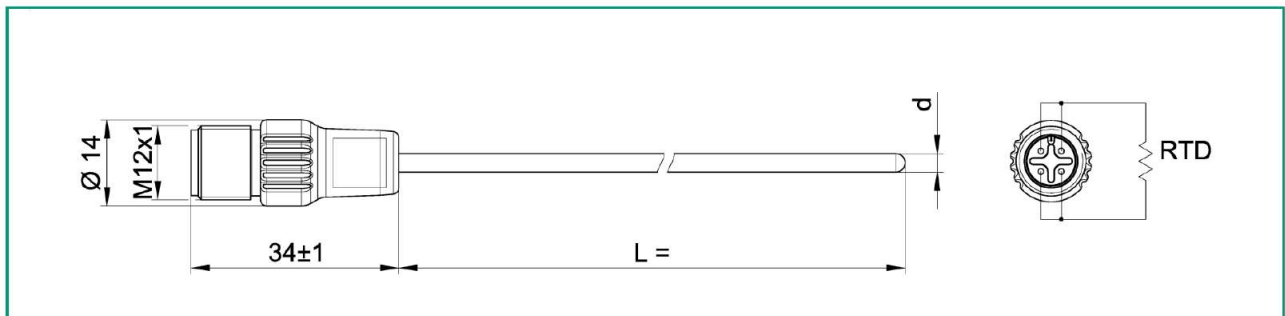


## MULTIFUNCTIONAL RTD

### Resistance thermometer with 4-pin M12x1 connector

- Moulded IP67 connector
- foldable compact mineral insulation construction (M.I.C.) Ø3 - 4,5 or 6 mm
- Suitable for temperatures up to 500°C



### TECHNICAL SPECIFICATION

Sensing element	Pt100 Ω @ 0°C
Sensing Element configuration	single 4-wire



<p><b>Accuracy class in accordance to IEC751 (*)</b>  <b>(*) Pt 100 cl.A only available with 3 or 4 wires, cl.AA 4 wires only;</b>  <b>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.</b></p>	<p>cl. A, Operating range (in which the accuracy class is guaranteed) -30 ÷ 300°C  cl. B, Operating range (in which the accuracy class is guaranteed) -50 ÷ 500°C  cl. AA, Operating range (in which the accuracy class is guaranteed) 0 ÷ 150°C</p>
<p><b>Sheath diameter d</b>  <b>(*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step</b></p>	<p>Ø 3 mm, Response time &lt; 3,5 seconds(*)  Ø 4.5 mm, Response time &lt; 7 seconds(*)  Ø 6 mm, Response time &lt; 13 seconds(*)</p>
<b>M.I.C. min. bending radius</b>	3 times the outer diameter (except the sensing tip which length is ~30 mm)
<b>Sheet material</b>	AISI 316L
<b>Insulation resistance</b>	100 M Ω@ 100 Vdc.
<b>Stem length L</b>	<p>100 mm  150 mm  250 mm  350 mm  500 mm  750 mm  1000 mm</p>
<b>Dimensional notes</b>	Lengths other than those listed can be produced for minimum quantities to be agreed (after our feasibility study)
<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>	120°C
<b>Fixing system</b>	bare stem
<b>Marking</b>	marked with calibration value at 0 °C, production date and traceability code
<b>International protection marking (*)</b> <b>(*) According to IEC 60529</b>	IP67
<b>FCM Prescriptions</b>	Before the use is required to wash the food contact areas
<b>Contact food type</b>	all the foods
<b>Materials in contact with food</b>	AISI 316L
<b>Type of contact</b>	continuous
<b>Area suitable for contact</b>	stem for a maximum length of 1 m (measured from the tip)
<b>Contact food temperature range</b>	-40 ÷ 150°C
<b>Maximum working pressure</b>	PN 100 BAR

