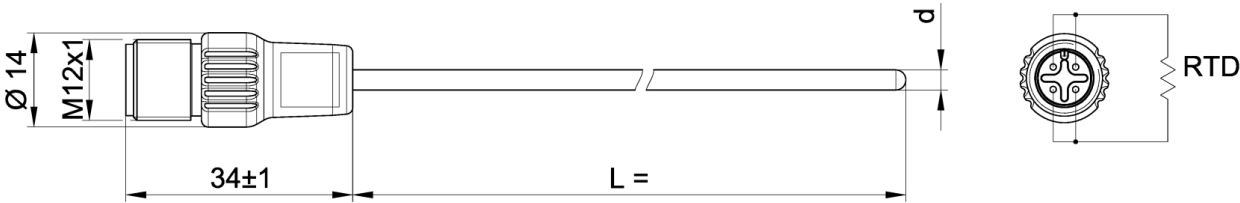


MULTIFUNCTIONAL RTD

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
Output signal type	thermoresistance
Accuracy class in accordance to IEC751 (*)	cl. A , Operating range -30 ÷ 300°C
(*) The accuracy class is valid only in the temperature range indicated by the norm	cl. B, Operating range -50 ÷ 500°C
	cl. AA , Operating range 0 ÷ 150°C

TECHNICAL SPECIFICATION

Sheath diameter d (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step	Ø 3 mm, Response time < 3,5 seconds(*) Ø 4.5 mm, Response time < 7 seconds(*) Ø 6 mm, Response time < 13 seconds(*)
M.I.C. min. bending radius	3 times the outer diameter (except the sensing tip which length is ~30 mm)
Sheet material	AISI 316L
Insulation resistance	100 M Ω @ 100 Vdc.
Stem length L	100 mm 150 mm 250 mm 350 mm 500 mm 750 mm 1000 mm
Dimensional notes	Lengths other than those listed can be produced for minimum quantities to be agreed (after our feasibility study)
Type of connector	male 4-pin connector with M12x1 metal screw lock (in accordance with IEC 61076-2-101 STANDARDS)
Connection body material	POLYAMIDE (MOULDED)
Maximum connector temperature	120°C
Marking	marked with calibration value at 0 °C, production date and traceability code
International protection marking (*) (*) According to IEC 60529	IP67
FCM Prescriptions	Before the use is required to wash the food contact areas
Contact food type	all the foods
Materials in contact with food	AISI 316L
Type of contact	continuous
Area suitable for contact	stem for a maximum length of 1 m (measured from the tip)
Contact food temperature range	-40 ÷ 150°C
Maximum working pressure	PN 100 BAR

ORDER CODES

TRM#	P1				X
Class (According to IEC 751)			Diameter d (mm)		L = (mm)
B	B		Ø2 *	-2--	100 0100
A	A		Ø3	-3--	150 0150
AA(1/3B)	Z		Ø4,5	-45-	250 0250
			Ø6	-6--	350 0350
			* only L=250 mm		500 0500
					750 0750
					1000 1000