

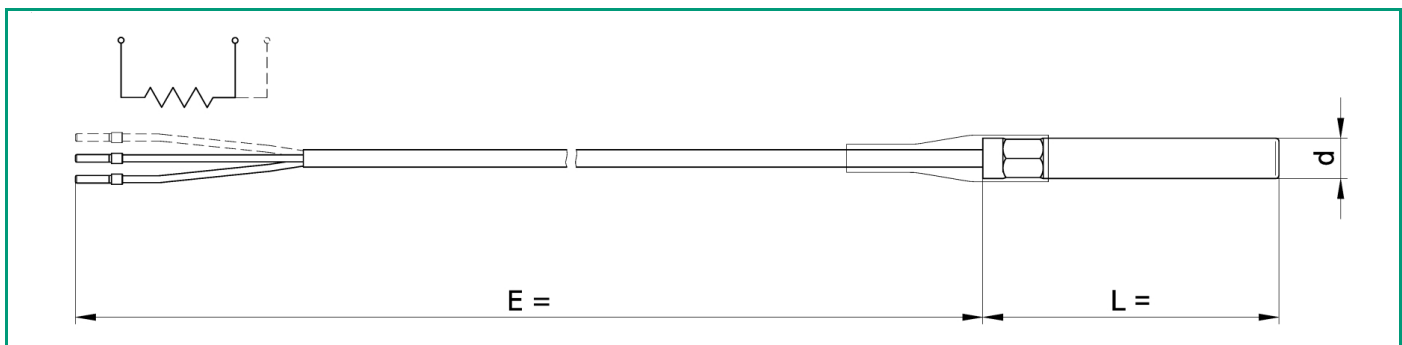
FTR2SIL

Rev. 0 - 10/06/2022

RESISTANCE TEMPERATURE DETECTOR IN TUBE WITH 2-WIRE SILICONE RUBBER CABLE

Resistance temperature detector in tube with 2-wire silicone rubber conventional insulated cable

- price-efficient implementation
- range of use $-50\div 180^{\circ}\text{C}$



TECHNICAL SPECIFICATION

Sensing element	Pt100 Ω @ 0°C Pt1000 Ω @ 0°C
Sensing Element configuration	single 2-wire
Accuracy class in accordance to IEC751 (*) (*) 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
Sensing element operating temperature range	-40 \pm 180°C
Insulation resistance	100 M Ω @ 100 Vdc.
Sheath outside diameter d	\varnothing 6 mm
Sheath length L	50 mm 100 mm
Sheet material	INOX
Cable type	insulated in silicone rubber
Cable conductors	copper tinned
Number of cable conductors	2
Conductor dimension	AWG 22
Primary insulation	GS (silicone rubber)
Primary insulation colour	1 white, 1 blue
Secondary insulation	GS (silicone rubber)
Secondary insulation colour	black
Cable size or external shape	about \varnothing 4,5 mm
Cable working temperature	-60 \pm 180°C
Cable extension E	500 mm 1 m 2 m 3 m 4 m 5 m 8 m 10 m
Dimensional notes	Lengths other than those listed can be produced for minimum quantities to be agreed (after our feasibility study) Extensions other than those listed can be produced for minimum quantities to be agreed (after our feasibility study)
Fixing system	bare stem
Variant (TRE-TCE)	null and anti-bending spring