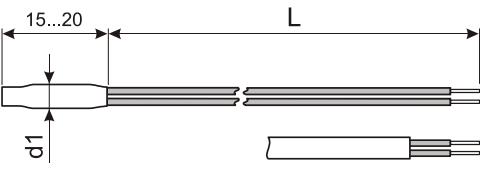
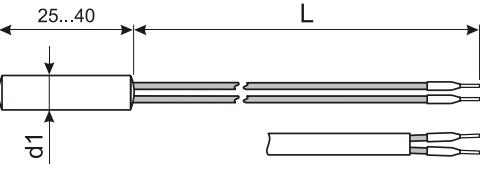


RTD ELEMENT WITH LEADS		TSE _x	DESIGN	MAXIMUM TEMPERATURE	INSULATION			LEADS																												
		element	leads	outer	type	wires																														
Insulation - Teflon®, silicone, fiberglass, or ceramic (see table notes) Wire leads - Cu, Ni, or Ag (see table notes)																																				
DESIGN 1 (TSE1)			1	200 °C	Teflon®	Teflon®	none Teflon® silicone	Cu stranded 0.14(22) mm ²	2, 3, 4* 2, 3, 4* 2, 3, 4*	2x2 2x2 2x2																										
 L = 100 ... 2000 mm			2	400 °C 550 °C	SS tube, cement	glass sleeves	none glass	Cu, Ni solid 0.5 mm	2, 3, 4* 2, 3, 4*	2x2 2x2																										
DESIGN 2 (TSE2)			3	400 °C 600 °C 800 °C	ceramic, cement	ceramic beads	-	Cu, Ni, Ag solid 0.5 mm	2, 3, 4	2x2																										
 L = 100 ... 2000 mm			4	400 °C 600 °C 800 °C	ceramic, cement	ceramic rod	-	Cu, Ni, Ag solid 0.5 mm	2, 3, 4	2x2																										
RTD element: (simplex or duplex) Pt50 (RB), Pt100 (RD), Pt500 (RF), Pt1000 (RG) Accuracy class: 'A', 'B', or '2xB' (see Appendix - RTD Tolerance) Minimum mounting hole diameter ('d'): <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Design \ Wire leads</th><th>2</th><th>3</th><th>4</th></tr> </thead> <tbody> <tr> <td>no outer insulation</td><td>3 mm</td><td>4 mm</td><td rowspan="3">5 mm</td></tr> <tr> <td>Teflon® outer insulation</td><td>4 mm</td><td>5 mm</td></tr> <tr> <td>silicone outer insulation</td><td>5 mm</td><td>6 mm</td></tr> <tr> <td>no outer insulation</td><td>4 mm</td><td rowspan="2">5 mm</td><td rowspan="2">6 mm</td></tr> <tr> <td>glass outer insulation</td><td>5 mm</td></tr> <tr> <td>3</td><td>5 mm</td><td rowspan="3">6 mm</td><td rowspan="3">6 mm</td></tr> <tr> <td>4</td><td>6 mm</td></tr> </tbody> </table> Outer diameter: $d_1 \leq d - 0.5 \text{ mm}$ Wire material: Cu (up to 450 °C), Ni, or Ag Insulation material: - silicone or Teflon® (max. 200 °C) - glass fiber (max. 550 °C) - SS 316 (max. 850 °C) - ceramic 610 (max. 1500 °C) Lead termination: - free (flying) leads, 10...15 mm non-insulated - ceramic base and screw terminals for heads w/ 20 mm mounting distance - ceramic base and screw terminals for heads w/ 33 mm mounting distance											Design \ Wire leads	2	3	4	no outer insulation	3 mm	4 mm	5 mm	Teflon® outer insulation	4 mm	5 mm	silicone outer insulation	5 mm	6 mm	no outer insulation	4 mm	5 mm	6 mm	glass outer insulation	5 mm	3	5 mm	6 mm	6 mm	4	6 mm
Design \ Wire leads	2	3	4																																	
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glass outer insulation	5 mm																																			
3	5 mm	6 mm	6 mm																																	
4	6 mm																																			
* Please contact COMEKO!																																				

Ordering code TSE(1,2,3,4) - G1G2.G3.G4.G8.G11.G12.G13 - #1.#2

Code	Feature or option	Code values
G1	Number of RTD sensors	1, 2
G2	Sensor	RB - Pt50, RD - Pt100, RF - Pt500, RG - Pt1000
G3	Temperature range ⁽¹⁾	T1 - -50...400 °C, T4 - 0...800 °C, T9 - -50...200 °C, T11 - -50...600 °C ⁽²⁾
G4	Mounting hole diameter 'd' ⁽¹⁾	3 - ≥ 3 mm ⁽⁵⁾ , 4 - ≥ 4 mm, 5 - ≥ 5 mm, 6 - ≥ 6 mm, 7 - > 6 mm
G8	Lead length 'L' [mm]	100...2000 ⁽¹⁾
G11	Accuracy class	A - 'A', B - 'B', C - '2xB'
G12	Number of wires ⁽¹⁾	2, 3, 4 ⁽⁵⁾
G13	Wire material ⁽¹⁾	CU - copper ⁽³⁾ , NI - nickel, AG - silver
#1	Additional outer lead insulation	X - none, I - mounted ⁽⁴⁾
#2	Lead termination options	X - none (free leads), M - ceramic base and screw terminals for heads w/ 20 mm mounting distance, B - ceramic base and screw terminals for heads w/ 33 mm mounting distance

⁽¹⁾ Applicable for the selected design⁽²⁾ Up to 550 °C for TSE2!⁽³⁾ Not applicable for temperatures above 450 °C!⁽⁴⁾ Only for TSE1 and TSE2!⁽⁵⁾ Contact COMECO!