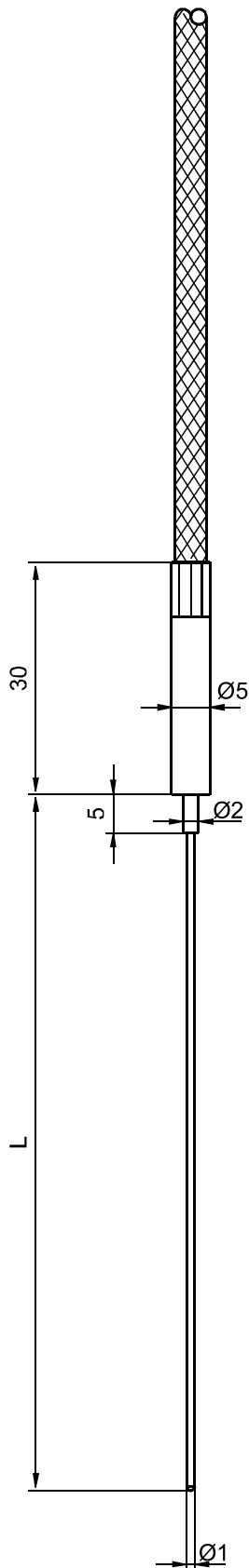


Data Sheet 0002 A

Mineral insulated-Thermocouple  
Type : MT-1,0



**thermoelectric voltages** : Fe-CuNi ½ DIN 43710 (L)  
Fe-CuNi DIN EN 60584, Kl. 1 (J)  
NiCr-Ni DIN EN 60584, Kl. 1 (K)

**sensor tip** : Ø 1,0 mm/ 2,0 mm

**sheath material** : V4A 1.4541  
Inconel 2.4816

**smallest bending radius** : about five times the outer diameter of the sheath

**installation depth** : L to customer

**jacket insulation** : MgO

**control point** : free of potential

**test voltage** : 100 VDC

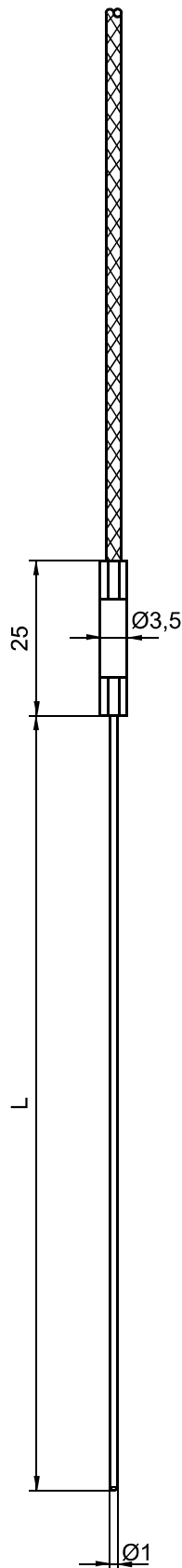
**operation temperature** : measuring point to 600°C  
: transition piece to 200°C

**thermocouple wire** : 2 x 0,35 mm<sup>2</sup>  
fiber glass insulation  
and specially impregnated  
wire mesh from soft galvanized  
iron wires

**Other customer preferences are possible  
Subject to modifications!**

25/03

### Mineral insulated-Thermocouple Type : KMT-1,0



**thermoelectric voltages** : Fe-CuNi ½ DIN 43710 (L)  
Fe-CuNi DIN EN 60584, Kl. 1 (J)  
NiCr-Ni DIN EN 60584, Kl. 1 (K)

**sensor tip** : Ø 1,0 mm

**sheath material** : V4A 1.4541  
Inconel 2.4816

**smallest bending radius** : about five times the outer diameter of the sheath

**installation depth** : L to customer

**jacket insulation** : MgO

**control point** : free of potential

**test voltage** : 100 VDC

**operation temperature** : measuring point to 600°C  
transition piece to 200°C

**thermocouple wire** : 2 x 0,22 mm<sup>2</sup>  
fiber glass insulation  
and specially impregnated  
wire stainless steel wire mesh

**Other customer preferences are possible  
Subject to modifications!**

31/03