



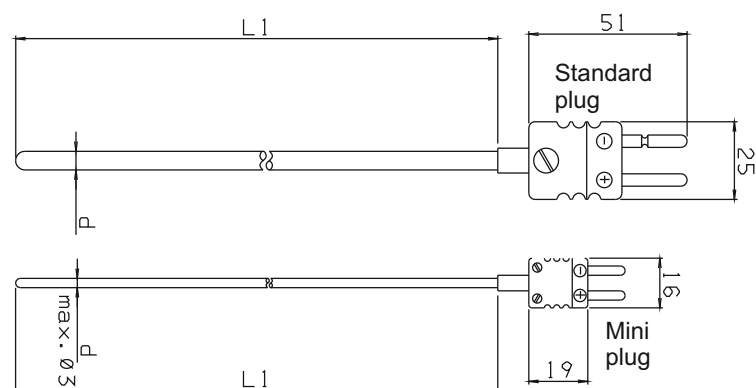
# Thermocouple

# TYPE MF

## Mineral insulated with plug



- Mineral insulated thermocouples - DIN 43721 - are used for reasons such as flexibility, fast responsetime and good resi-stance to vibrations, for measurement of temperatures in inaccessible places and harsh environment.
- Thermocouples only available with 1×TC.
- The measuring junction is standard insulated. The thermo-couples are available with grounded alternatively exposed measuring junction. Exposed measuring junction max. 100°C.
- The thermocouple is insulated with MgO. The tube is sealed at the tails. This sealing must not be exposed to temperatures over 150°C.
- Jacket material for protective sheath is chosen depending on temperature and environment, see separate data sheet.
- The recommended working temperature is dependent on thermowire and jacket material.
- Mechanical connection: Standard plug or mini plug.



Ordering: See ordering form on back page



# ORDERING FORM / THERMO COUPLE TYPE MF

## Type MF

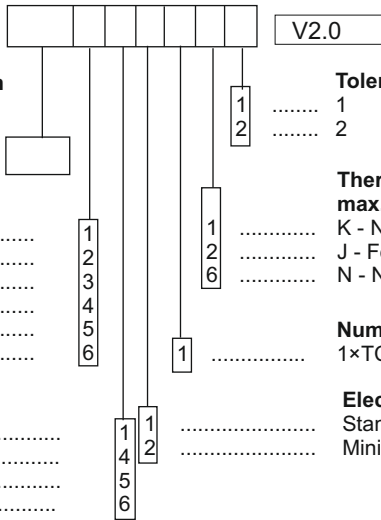
**Imm.length/L1/mm**  
 Min. 50 mm -  
 max. 4000 mm  
 Optional length .....

**Sheath dia./d/mm**

1.0 .....  
 1.5 .....  
 2.0 .....  
 3.0 .....  
 4.5 .....  
 6.0 .....

**Jacket material**

AISI 316 .....  
 Inconel .....  
 Hastelloy .....  
 Microbell .....



**Tolerance class**

..... 1  
 ..... 2

**Thermoelement -**

**max. temp. for thermowire**  
 K - NiCr-Ni -40 / +1000°C  
 J - Fe-CuNi -40 / +700°C  
 N - NiCrSi-NiSi -40 / +1250°C

**Number of thermocouples**

..... 1  
 1xTC

**Electrical connection**

..... Standard plug  
 ..... Mini plug

Connection diagram:

Type	+	-
K	Non-magnetic Green	Magnetic White
J	Magnetic Black	Non-magnetic White
N	Non-magnetic Pink	Magnetic White

**Head office:**

Senmatic A/S  
 Industrivej 8, 5471 Søndersø, Denmark  
 Phone: +45 64 89 22 11  
 dk@senmatic.com - www.senmatic.com