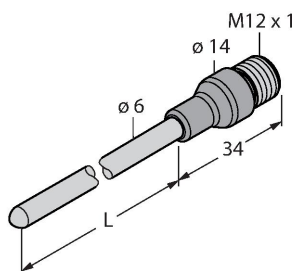


TP-206KK1-CF-H1141-L500

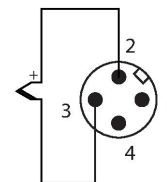
Temperature Detection – Probe



Features

- Thermocouple acc. to DIN EN 60584
- Vibration and shock-resistant
- Can be connected to TS720, IM34 or IME-TI
- Max. temperature connector: 120 °C
- 2-wire technology
- Process connection: Compression Fitting
- Bendable probe (min. bending radius: 3x outside diameter)

Wiring diagram



Functional principle

Thermocouples are used for the detection and monitoring of temperatures to optimize and control a process.

Typical applications are in machine and plant construction as well as in the process industry. The core element of the temperature probe is a pair of metallic conductors that are made of different materials and connected at one end. Due to the thermoelectric effect, the thermocouple provides a temperature-dependent voltage.

Technical data

Type	TP-206KK1-CF-H1141-L500
ID	100017082
Temperature range	
Measuring range	-40...1100 °C
Measuring range	-40...2012 °F
Accuracy	Class 1
Measuring element	Thermocouple type K, DIN EN 60584
Immersion depth (L)	500 mm
Output function	2-wire
Mechanical data	
Housing material	Metal/plastic, Inconel 600/Nylon
Process connection	For compression fittings, thermowell or direct mounting
Electrical connection	Connector, M12 × 1
Protection class	IP67
Environmental conditions	
Ambient temperature	-40...+85 °C
Storage temperature	-40...+85 °C
Reference conditions acc. to IEC 61298-1	
Temperature	15...+25 °C
Atmospheric pressure	860...1060 hPa abs.
Humidity	45...75 % rel.
Auxiliary power	24 VDC

Technical data

Type	TP-206KK1-CF-H1141-L500
ID	100017082
Temperature range	
Measuring range	-40...1100 °C
Measuring range	-40...2012 °F
Accuracy	Class 1
Measuring element	Thermocouple type K, DIN EN 60584
Immersion depth (L)	500 mm
Outer diameter	6 mm
Protection type and class	IP67
Output function	2-wire
Environmental conditions	
Ambient temperature	-40...+85 °C
Storage temperature	-40...+85 °C
Mechanical data	
Housing material	Metal/plastic, Inconel 600/Nylon
Sensor material	Metal, Inconel 600
Process connection	For compression fittings, thermowell or direct mounting
Electrical connection	Connector, M12 × 1
Reference conditions acc. to IEC 61298-1	
Temperature	15...+25 °C
Atmospheric pressure	860...1060 hPa abs.
Humidity	45...75 % rel.
Auxiliary power	24 VDC