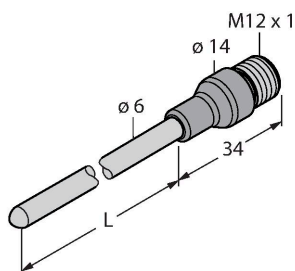


TP-206KK1-CF-H1141-L200

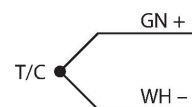
Temperature Detection – Probe



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



Technical data

Type	TP-206KK1-CF-H1141-L200
ID no.	100017083
Temperature range	
Measuring range	-40...+1100 °C
Temperature operating range	-40...+2012 °F
Accuracy	± class 1
Measuring element	thermocouple type K, DIN EN 60584 and IEC 584
Immersion depth (L)	200 mm
Output function	2-wire
Housing material	Metal/plastic, Inconel 600/Nylon
Process connection	For compression fittings, thermowell or direct mounting
Electrical connection	Connector, M12 × 1
Protection class	IP67
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

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 sensor is a pair of metallic conductors made of different materials, which are connected at one end. Due to the thermoelectric effect, the thermocouple provides a temperature-dependent voltage.

Technical data

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Accuracy	class 1
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Immersion depth (L)	200 mm
Protection type and class	IP67
Output function	2-wire
Ambient conditions	
Ambient temperature	-40...+85 °C
Storage temperature	-40...+85 °C
Housing	
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