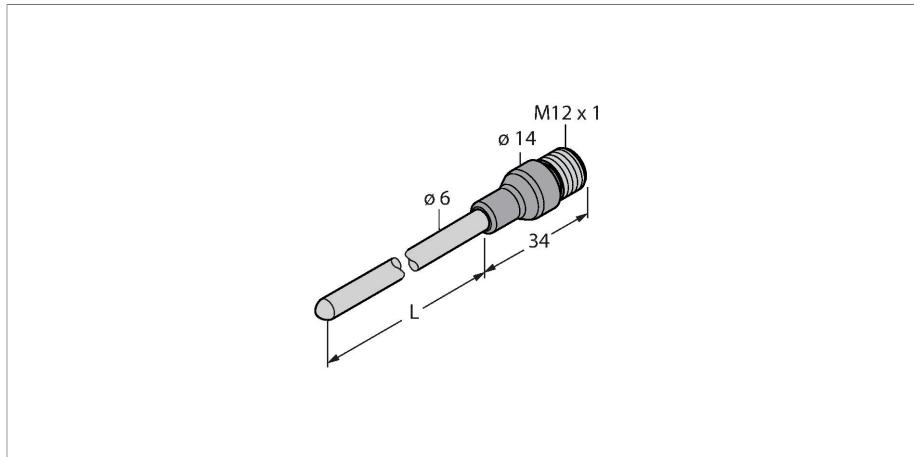


TP-206A-CF-H1141-L500

Temperature Detection – Probe



Technical data

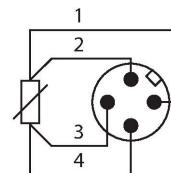
Type	TP-206A-CF-H1141-L500
ID	9910491
Measuring range	-50...500 °C -58...932 °F
Accuracy	±0.15 K + 0.002 • t (-30...300 °C)
Mechanical data	
Design	Temperature probe, TP
Housing material	Stainless steel, 1.4404 (AISI 316L)
Electrical connection	Connector, M12 x 1
Number of cores	4
Process connection	For compression fittings, thermowell or direct mounting
Ambient temperature	-40...+120 °C
Storage temperature	-40...+85 °C
Process Pressure	100 bar
Protection class	IP67
Tests/approvals	
MTTF	2283 years acc. to SN 29500 (Ed. 99) 20 °C
Approvals	cULus
Approvals	cULus



Features

- Process connection via compression fitting or thermowell
- Connection mode: 4-wire connection

Wiring diagram



Functional principle

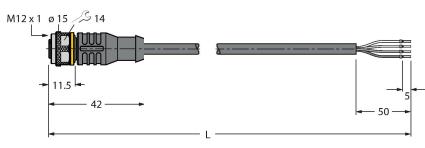
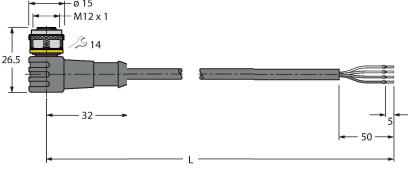
Resistance thermometers are used for the detection and monitoring of temperatures to optimize and control a process. Typical applications are in machine and plant construction as well as in the process industry. The core element of the temperature probe is a temperature-dependent resistor.

Accessories

CF-M-6-G1/4-A4	9910483	Compression fitting for direct mounting of temperature sensors; sensor diameter 6 mm; process connection G1/4" male thread	CF-M-6-N1/4-A4	9910484	Compression fitting for direct mounting of temperature sensors; sensor diameter 6 mm; process connection 1/4" NPT male thread
CF-M-6-M18-A4	9910525	Compression fitting for direct mounting of temperature sensors; sensor diameter 6 mm; process connection M18 x 1 male thread	CF-M-6-N1/2-A4	9910529	Compression fitting for direct mounting of temperature sensors; sensor diameter 6 mm; process connection 1/2" NPT male thread
CF-M-6-G1/2-A4	9910530	Compression fitting for direct mounting of temperature sensors; sensor diameter 6 mm; process connection G1/2" male thread			

Wiring accessories

Dimension drawing	Type	ID	
	WKC4.4T-2/TEL	6625025	Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
	RKC4.4T-2/TEL	6625013	Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval

Dimension drawing	Type	ID	
	RKC4.4T-2/TXL	6625503	Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PUR, black; cULus approval
	WKC4.4T-2/TXL	6625515	Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PUR, black; cULus approval