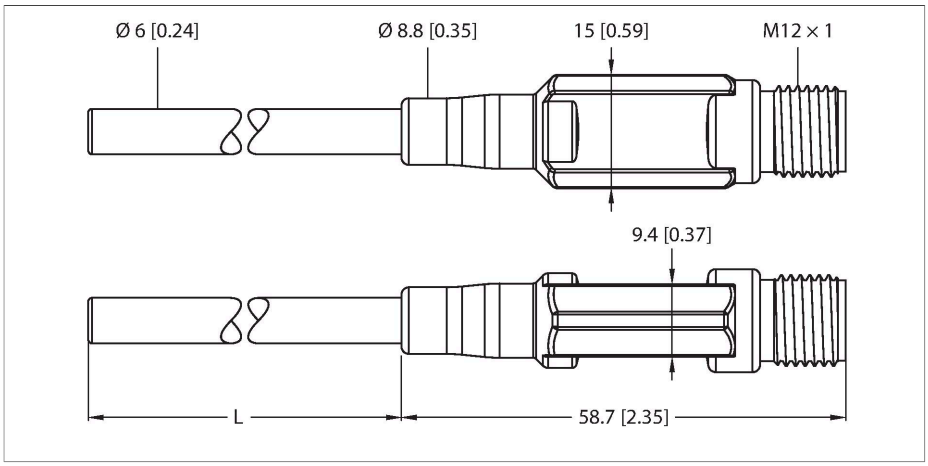
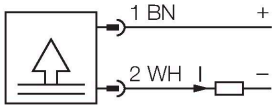
TTM150C-206A-CF-LI6-H1140-L150-50/150°C
Temperature Detection – With Current Output

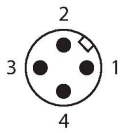


Features

- Miniature design
- Analog output 4…20 mA
- Factory setting -50…150 °C (other settings on request)
- Compression fitting process connection
- Bendable probe (min. bending radius: 3x outer diameter; excluding 30-mm probe tip)

Wiring diagram





Technical data

Type	TTM150C-206A-CF-LI6-H1140-L150-50/150°C
ID	9910546
Temperature range	
Measuring range	-50…150 °C
	-58…302 °F
Note	Max. temperature of electronics: 80 °C/176 °F
Measuring element	Pt1000, DIN EN 60751, class A
Response time	t_{05} = 1.5 s / t_{09} = 6.0 s in water @ 0.2 m/s
Immersion depth L	150 mm
Outer diameter	6 mm
Power supply	
Operating voltage U_B	5.5…32 VDC
Current consumption	≤ 20 mA
Short-circuit/reverse polarity protection	yes / yes
Protection class	IP67
Insulation class	III
Analog output	
Current output	4…20 mA
Load	≤ 0.84 kΩ at 24 VDC [R_{Load}=(V_{Supply} – 5.5 V)/22 mA]
Accuracy (Lin. + Hys. + Rep.)	± 0.2 K
Temperature behaviour	
Temperature coefficient zero point TK_0	± 0.1 % of full scale/10 K
Temperature coefficient range TK_s	± 0.1 % of full scale/10 K

Functional principle

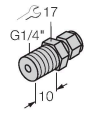
The TTM miniature transmitters are available with integrated probe.
Due to the integrated electronics, the limited temperature range must be observed, especially in the area of the M12 connector.

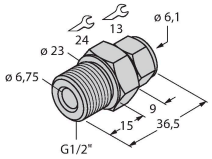
TTM150C-206A-CF-LI6-H1140-L150-50/150°C 22-02-2025 13-28 | Technical modifications reserved

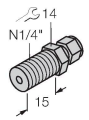
Technical data

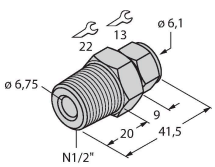
Environmental conditions	
Ambient temperature	-40…+80 °C
Storage temperature	-40…+80 °C
Mechanical data	
Housing material	Stainless-steel/Plastic, 1.4404 (AISI 316L)
Sensor material	Stainless steel, 1.4404 (AISI 316L)
Process connection	For compression fittings, thermowell or direct mounting
Pressure resistance	100 bar
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
Tests/approvals	
MTTF	162 years acc. to SN 29500 (Ed. 99) 40 °C

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

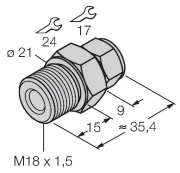
CF-M-6-G1/2-A4	9910530
	Compression fitting for direct mounting of temperature sensors; sensor diameter 6 mm; process connection G1/2" male thread

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-N1/2-A4	9910529
	Compression fitting for direct mounting of temperature sensors; sensor diameter 6 mm; process connection 1/2" NPT male thread

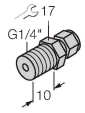
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CF-M-6-M18-A4	9910525



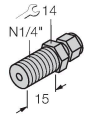
Compression fitting for direct mounting of temperature sensors; sensor diameter 6 mm; process connection M18 × 1 male thread

CF-P-6-G1/4-A4	9910485



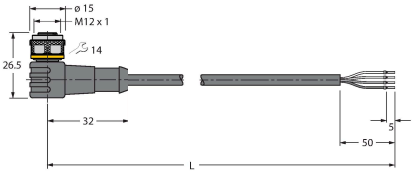
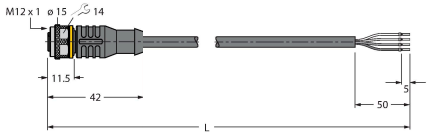
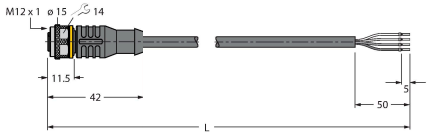
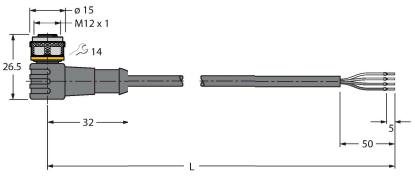
Compression fitting for direct mounting of temperature sensors; sensor diameter 6 mm; process connection G1/4" male thread

CF-P-6-N1/4-A4	9910486

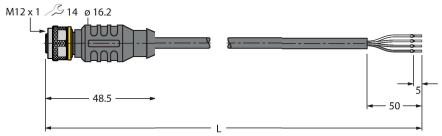


Compression fitting for direct mounting of temperature sensors; sensor diameter 6 mm; process connection 1/4" NPT male thread

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
	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

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Dimension drawing	Type	ID	
	RKC4.4T-P7X2-10/TXL	6626184	Connection cable, M12 female connector, straight, 4-pin, LED, cable length: 10 m, jacket material: PUR, black; cULus approval

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