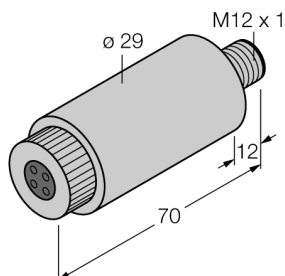


Temperature measurement with transistor switching output TC-100-AP6-H1141

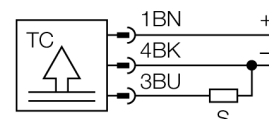
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- Switchpoint, factory set
- For connection to external temperature probes
- Temperature range 0...150 °C

Wiring diagram



General description

Sensor with integrated probe Different probe versions.

The TC series is available with one switching output.

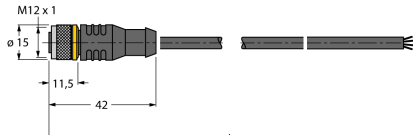
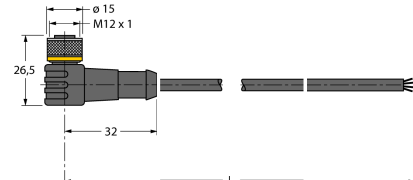
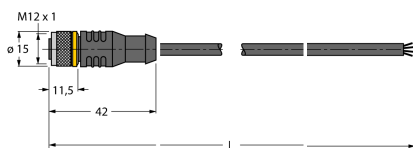
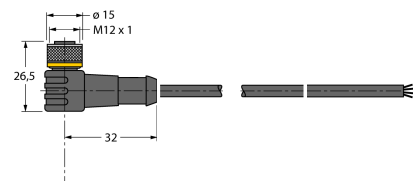
Type code	TC-100-AP6-H1141
Ident no.	9910442
Temperature operating range	-50...500 °C
Switch point SP1	customized
Release point rP1	customized
Measuring element	For connection to probes of the TP series
Response time	Dependent on connected temperature sensor
Power supply	
Operating voltage	15...30VDC
Short-circuit/reverse polarity protection	yes/ yes
Protection type and class	IP67
Output 1	switching output
Switching output	
Output function	NO contact, PNP
Switching point accuracy	± 0.2 K
Rated operational current	0.1 A
Switch point SP1	customized
Release point rP1	customized
Temperature behaviour	
Temperature coefficient zero point T_{s0}	± 0.1 % of full scale / 10 K
Temperature coefficient span $T_{s\Delta}$	± 0.1 % of full scale / 10 K
Ambient conditions	
Ambient temperature	-25...+80 °C
Ambient temperature	-40 ... 85 °C
Storage temperature	-40...+85°C
Housing	
Housing material	Stainless steel, V4A 1.4401 (AISI 316)
Connection	male, M12 x 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

**Temperature measurement
with transistor switching output
TC-100-AP6-H1141**

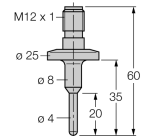
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Wiring accessories

Type code	Ident no.	Description	Dimension drawing
RKC4.4T-2/TEL	6625013	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	
WKC4.4T-2/TEL	6625025	Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	
RKC4.4T-2/TXL	6625503	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	
WKC4.4T-2/TXL	6625515	Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	

Function accessories

Type code	Ident no.	Description	Dimension drawing
TP-104A-TRI3/4-H1141-L035	9910429	temperature detector for liquid and gaseous media	

**Temperature measurement
with transistor switching output
TC-100-AP6-H1141**

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Industrial
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Function accessories

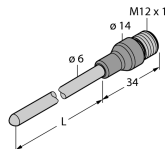
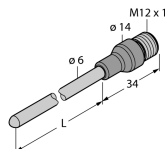
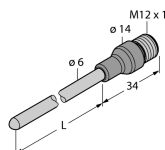
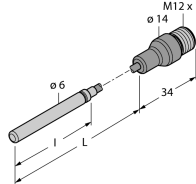
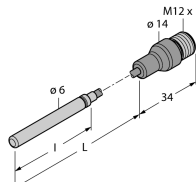
Type code	Ident no.	Description	Dimension drawing
TP-104A-TRI3/4-H1141-L100	9910430	temperature detector for liquid and gaseous media	
TP-104A-DN25K-H1141-L035	9910431	temperature detector for liquid and gaseous media	
TP-104A-DN25K-H1141-L100	9910432	temperature detector for liquid and gaseous media	
TP-203A-CF-H1141-L300	9910474	temperature detector for liquid and gaseous media	
TP-206A-CF-H1141-L100	9910475	temperature detector for liquid and gaseous media	

**Temperature measurement
with transistor switching output
TC-100-AP6-H1141**

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Industrial
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Function accessories

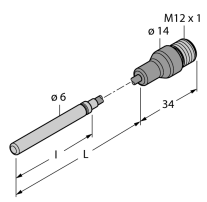
Type code	Ident no.	Description	Dimension drawing
TP-206A-CF-H1141-L150	9910476	temperature detector for liquid and gaseous media	
TP-206A-CF-H1141-L200	9910477	temperature detector for liquid and gaseous media	
TP-206A-CF-H1141-L300	9910478	temperature detector for liquid and gaseous media	
TP-306A-CF-H1141-L1000	9910479	temperature detector for liquid and gaseous media	
TP-306A-CF-H1141-L2000	9910480	temperature detector for liquid and gaseous media	

**Temperature measurement
with transistor switching output
TC-100-AP6-H1141**

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Function accessories

Type code	Ident no.	Description	Dimension drawing
TP-306A-CF-H1141-L5000	9910481	temperature detector for liquid and gaseous media	
TP-203A-CF-H1141-L200	9910482	temperature detector for liquid and gaseous media	