

Technical data

MTTF	2283 years acc. to SN 29500 (Ed. 99) 20 °C
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Technical data

Type	TP-104A-G1/4-H1141-L035
ID	9910527
Temperature range	
Measuring range	-40...120 °C
Measuring range	-40...248 °F
Accuracy	0.15 °C + 0.002 • t (-30...300 °C)
Self-heating	0.4 K/mW at 0 °C
Measuring element	Pt-100 probe, DIN EN 60751, class A, connection mode: 4-wire connection
Response time	t 0.5 = 3 s / t 0.9 = 10 s in water at 0.2 m/s
Immersion depth (L)	35 mm
Protection type and class	IP67
Ambient conditions	
Ambient temperature	-40...+120 °C
Storage temperature	-50...+105 °C
Mechanical data	
Housing material	Stainless steel, 1.4404 (AISI 316L)
Sensor material	Stainless steel, 1.4404 (AISI 316L)
Process connection	G 1/4" male thread
Pressure resistance	120 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	
Approvals	cULus
UL registration number	E345414
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