DATA SHEET

TEKY6 PT100

Produal

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CABLE TEMPERATURE SENSOR TEKY6 PT 100

TEKY6 PT 100 temperature sensor is designed for automatic HVAC systems.

Temperature is detected by a Pt100 element with a nominal resistance of 100 Ω (at 0 °C).

Sensor element is inserted in a sleeve of stainless steel. Rolled sleeve gives good protection against water and dust (IP67).

There is also available TEKY6S sensor with a silicone cable for harsh conditions.



Sensor resistance at different temperatures

°C	Ω	°C	Ω
120	**146.06**	25	**109.73**
100	**138.50**	20	**107.79**
90	**134.70**	15	**105.85**
80	**130.89**	10	**103.90**
75	**128.98**	5	**101.95**
70	**127.07**	0	**100.00**
65	**125.16**	-5	**98.04**
60	**123.24**	-10	**96.09**
55	**121.32**	-15	**94.12**
50	**119.40**	-20	**92.16**
45	**117.47**	-25	**90.19**
40	**115.54**	-30	**88.22**
35	**113.61**	-40	**84.27**
30	**111.67**	-50	**80.31**

Technical data:

sensor		Pt100 EN60751/B element
sleeve		∅ 6 mm x 45 mm, stainless steel
cable		
	TEKY6	∅ 5 mm x 2.3 m, PVC
	TEKY6S	∅ 5 mm x 2.3 m, silicone
range		
	TEKY6	-30…+80 °C
	TEKY6S	-50…+150 °C
accuracy		±0.3 °C (at 0 °C)
protection class		IP67

Ordering guide:

Model	Product number	Description
TEKY6 PT 100	1173320	flying lead sensor, 100 Ω Pt100 element
TEKY6S PT 100	1173340	flying lead sensor, 100 Ω Pt100 element

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-2001: 6 (Emission) and EN61000-3-2001: 2 (Immunity).

Information is subject to change without prior notice.