

EC系列 - 聚合物封装铂电阻温度传感器

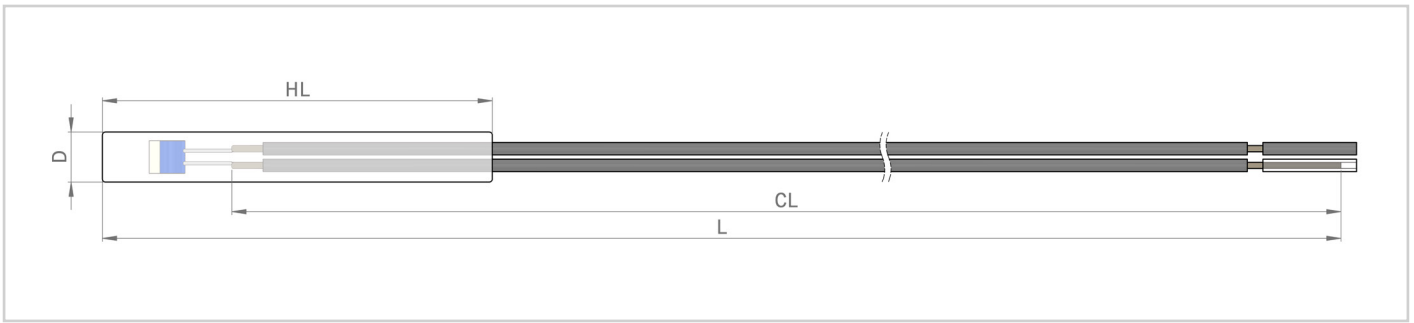
温度范围 -50 °C至 +260 °C

性能特征

- 柔性氟碳外壳
- 防护等级IP69H
- 卓越的抗振动和抗冲击性能
- 高介电强度
- 符合DIN EN 60751

应用示例

- 电动车的电机
- 工业力矩电机
- 充电站和插座
- 分析仪器
- 暖通空调



图片仅供参考

尺寸和材料

编号	产品类型	芯片电阻 R_0 [Ω]	尺寸和公差 (mm)				导线			产品料号
			HL	D	CL	L	线芯 (AWG)	绝缘	颜色	
1	EC3032-C	Pt100 / F 0.3	30 ± 5	3.2 $+0.2-0.4$	400 ± 10	408 ± 10	24/19 NPC	PTFE	红色	5180937
2	EC3032-C	Pt1000 / F 0.3	30 ± 5	3.2 $+0.2-0.4$	397 ± 10	405 ± 10	24/19 NPC	PTFE	红色	5016951
3	EC3032-C 车规级	Pt1000 / F 0.3	30 ± 5	3.2 $+0.2-0.4$	400 ± 10	408 ± 10	24/19 NPC	PTFE	红色	5161009
4	EC3021-C	Pt1000 / F 0.3	30 ± 5	2.1 $+0.1-0.4$	250 ± 10	258 ± 10	30/07 NPC	PTFE	蓝色	5185633
5	EC3021-C	Pt100 / F 0.3	30 ± 5	2.1 $+0.1-0.4$	250 ± 10	258 ± 10	30/07 NPC	PTFE	蓝色	5185634
6	EC1732-C	Pt1000 / F 0.3	17 $+3-2$	3.2 $+0.2-0.4$	1550 ± 25	1558 ± 25	24/19 NPC	PTFE	白色	5184744

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性能数据

编号	温度范围	介电强度AC (外壳)	响应时间 水流 ($v = 0.4 \text{ m/s}$)		拉力 [N]	导体电阻 [Ω/m]	应用
			T0.5 [s]	T0.9 [s]			
1	-50 °C至 +200 °C	6 kV / 60 s	3.1	8.1	> 50	0.081 \pm 10 %	多用途
2	-50 °C至 +200 °C	6 kV / 60 s	3.1	8.1	> 50	0.081 \pm 10 %	多用途
3	-50 °C至 +200 °C	6 kV / 60 s	3.1	8.1	> 50	0.081 \pm 10 %	汽车
4	-50 °C至 +260 °C	3 kV / 60 s	1.8	4.8	> 25	0.32 \pm 10 %	多用途
5	-50 °C至 +260 °C	3 kV / 60 s	1.8	4.8	> 25	0.32 \pm 10 %	多用途
6	-50 °C至 +200 °C	6 kV / 60 s	3.1	8.1	> 50	0.081 \pm 10 %	多用途

温度系数

TCR = 3850 ppm/K

工作电流

Pt100 Ω : 0.3 至 1.0 mA
Pt1000 Ω : 0.1 至 0.3 mA
(必须考虑自加热)

自热系数 (元件)

0 °C 下 0.4K/mW

自定义选项

- 所有外部尺寸
- 导线尺寸和材质
- 传感器电阻值
- 连接器
- 认证 (如IMDS、PPAP、IP防水等级)

如需了解更多信息,
请浏览我们的传感器学院!



IP69H
compliant

RoHS
compliant

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