

# Automotive refrigerant temperature sensor

## 汽车冷媒温度传感器

### 产品特点 PRODUCT FEATURES

本产品稳定性好、可靠性高，前端探头可直接接触水、冷媒等介质，探头尺寸较小，热感应快、灵敏度较高，装配方式通过螺纹组合密封圈固定，有效避免冷媒等液体介质渗漏。

This product has good stability and high reliability, and the front-end probe can directly contact water refrigerant and other media, with smaller probe size, fast thermal sensitivity, and high sensitivity high, assembly method is fixed by threaded combination sealing ring, effectively avoiding leakage of liquid media such as refrigerant.



### 工作参数 OPERATION PARAMETERS

- 电阻参数:  $R_{50}=3.588K\Omega\pm 1\%$   
 $B_{25/50}=3950K\pm 1\%$
  - 工作温度:  $-40$  to  $+125^{\circ}\text{C}$
  - 耐压测试: 1500V AC 5.0mA 3S
  - 绝缘电阻: 500VDC 100M $\Omega$
  - 响应时间:  $\leq 7\text{s}$
  - 工作电压:  $5\pm 0.1\text{VDC}$
  - 工作电流:  $\leq 0.5\text{mA}$
  - 对插件型号: MOLEX 3140X-2110
- Resistance parameters:  $R_{50}=3.588K\Omega\pm 1\%$   
 $B_{25/50}=3950K\pm 1\%$
  - Operating temperature:  $-40$  to  $+125^{\circ}\text{C}$
  - Pressure resistance test: 1500V AC 5.0mA 3S
  - Insulation resistance: 500VDC 100M $\Omega$
  - Temperature response time:  $\leq 7\text{s}$
  - Supply voltage:  $5\pm 0.1\text{VDC}$
  - Supply current:  $\leq 0.5\text{mA}$
  - The plug-in models is: MOLEX 3140X-2110