



Temperature Sensor

Ruptela **Temperature Sensor** is designed for measuring the temperature of the cargo and the refrigerators. The sensors operate in the temperature range from -40 °C to +120 °C. The sensor housing is IP67 certified, ensuring its durability in harsh working environments.

Applications

- Cargo and refrigerator temperature measurement
- Wide temperature range
- Harsh working environment

Key Features

- High temperature precision
- 64-bit serial code allows multiple devices on 1-Wire
- Overvoltage protection
- Programmable identification number
- IP67 protection

Compatibility

✓ HCV5	✓ LCV5	✓ Pro5	✓ Trace5	✓ FM-Tco4 HCV
✓ FM-Tco4 LCV	✓ FM-Pro4	✓ FM-Eco4	✓ FM-Eco4 S	✓ FM-Eco4 RS T
⊘ FM-Plug4	✓ HCV5/Pro5 Lite	✓ Eco5	⊘ Eco5 Lite	

Detailed specifications

Temperature sensor

Electrical specifications

Power supply range	3.7 ÷ 6 V DC
Maximum voltage ratings (ambient temperature: 20 °C)	28 V @ 360 s 50 V @ 1 s
Sink current	4.0 mA
Standby current	750 - 1000 nA
Active current	1 - 1.5 mA

Technical specifications

Temperature range	-40 to +120 °C
Measurement accuracy	±0.5 °C @ -10 to +85 °C
Measurement resolution	9 ÷ 12 bit

Certifications and ratings

IP rating	IP67
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Physical properties

Sensor dimensions (Length x Diamater)	65 x 8 mm
Wire length	25 cm

Ordering information

Temperature sensor	Sensor for cargo and refrigerators temperature measurement
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Contact information:

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