BAŞKURT

E-CAN Sens HT

Humidity & Temperature Sensor | E-CAN Sens HT

Technical Specifications

Features
- Measuring range (RH): 0 – 100% relative humidity
- Measuring range (T): -40 to +125°C (-40 to +275°F)
- Response time (RH): 8s (tau63%)

E-CAN SENS HT is an automotive-grade **cabin climate sensor** designed to accurately measure **humidity and temperature** inside vehicle interiors.

Equipped with a **CANBus communication interface**, the sensor provides seamless integration with modern automotive electronic control units (ECUs) and HVAC systems.

Its compact form factor allows easy installation in dashboards, headliners, or ventilation ducts, while the **robust design and automotive-qualified components** ensure long-term stability under varying cabin conditions such as sunlight exposure, passenger load, and rapid temperature fluctuations.

With high accuracy, fast response time, and built-in compensation algorithms, **E-CAN SENS HT** enables precise climate control, improved passenger comfort, and optimized energy efficiency in advanced HVAC applications.
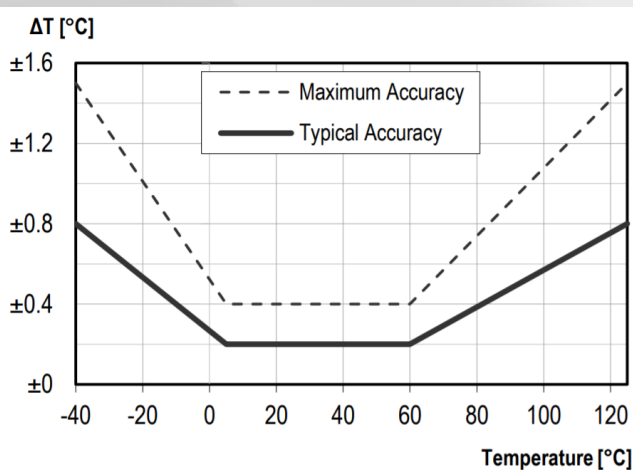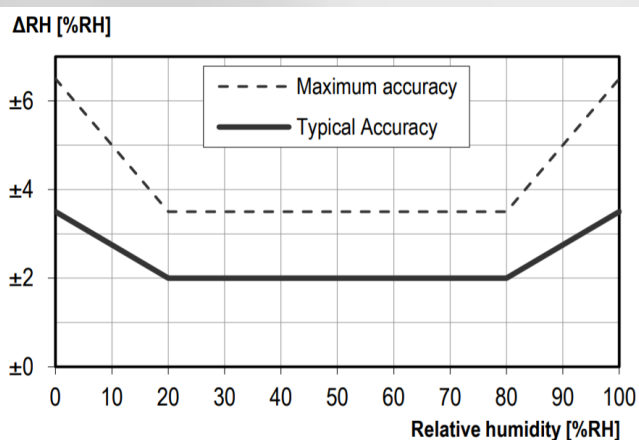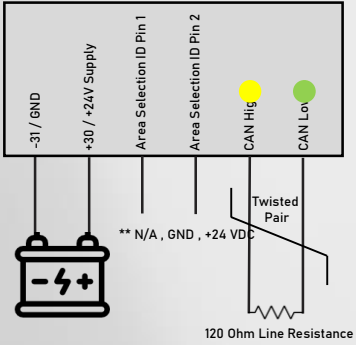

Application

- Designed for **all in-cabin automotive applications**, including **passenger cars, buses, trucks, construction machinery, and agricultural tractors**.

- Provides accurate **humidity and temperature measurements** to support **HVAC control systems**, enabling optimized air conditioning, defogging, and climate regulation.

- Ensures **real-time environmental data** for **ECUs and telematics systems**, improving passenger comfort and energy efficiency.

- Suitable for **dashboard integration, headliner modules, and ventilation ducts**, with robust design for harsh automotive environments.

Product Code	Nominal Voltage	Nominal Voltage Range	Quiescent Current	Input Current	Operating Temp. Range	Weight
15095054	VDC	VDC	mA	mA	°C	g
E-CAN Sens HT	26	16-32	<20	20	-40....+125	23
IP Class : 30						

Humidity & Temperature Sensor | E-CAN Sens HT

Connection

** N/A , GND , +24 VDC

Twisted Pair

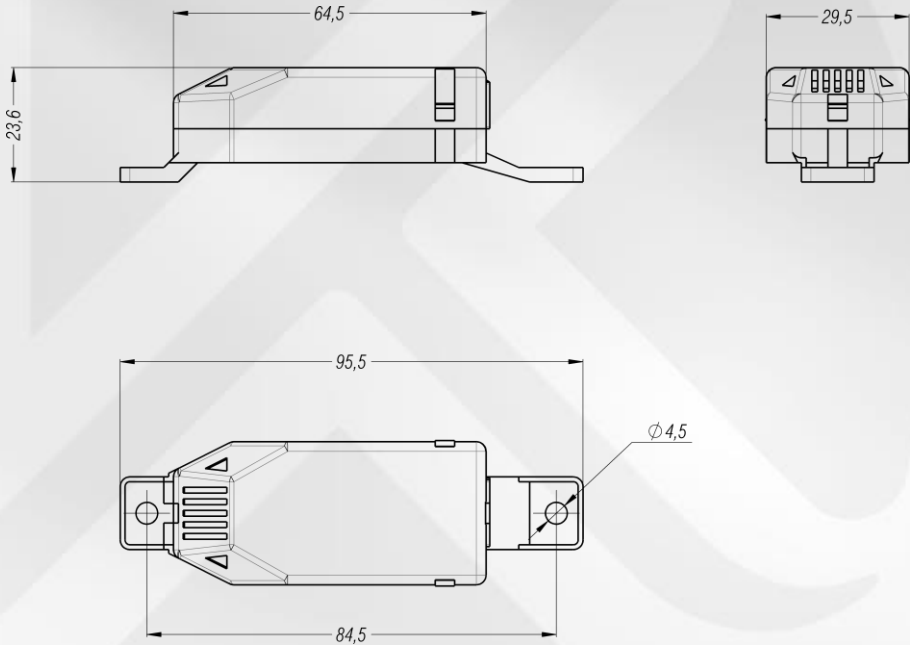120 Ohm Line Resistance

Pin Out

1. CAN Low
2. Area Selection ID Pin 1
3. -31 / GND
4. CAN High
5. Area Selection ID Pin 2
6. +30 / +24V Supply

Corresponding Connector: Molex 39-01-2065

** Sensor ID	ID PIN 1	ID PIN 2
1	F	F
2	F	GND
3	F	V+
4	GND	F
5	GND	GND
6	GND	V+

* The CAN matrix is available upon request.

Dimensions

64,5

23,6

29,5

95,5

∅ 4,5

84,5

İSTANBUL

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the potential

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Thank you...