

DS18B20UC temperature sensor - twisted pair connector



The Symbol : **95085**

Price NET : **3,63 €**

Price Gross : **4,46 €**

Digital sensor in the 1-Wire bus standard compatible with DS18B20 sensors. Each sensor has a programmed serial ID number, which allows reading multiple sensors on one bus. Sensor with a connector for quick connection with a twisted pair of 0.5mm²

Shipping within **24 hours from the moment of positive payment authorization**

Additional information

Availability **Average availability**

Description

Digital sensor using the 1-Wire bus standard, compatible with DS18B20 sensors.

Each sensor has a pre-programmed unique serial ID, allowing multiple sensors to be read on a single bus.

The aluminum base enables very fast heat transfer to the sensor.

The sensor is equipped with a miniature Push Wire connector for 0.5 mm² (twisted pair) or thinner wires, allowing quick and easy installation at the target location.

Technical Specification

Programmable converter resolution	9-12 bit
Measurement range	-55 to +125 °C
Measurement accuracy	±0.4 °C (within the range -10 to +85 °C)

Power supply	2.5 ÷ 5.5 V DC
ESD protection	> 8000 V
Typical standby current consumption	1 µA @ 3 V
Typical current consumption during conversion	0.6 mA @ 3 V
Protection rating	IP44
Connector wire diameter	up to 0.5 mm ²

The sensor circuit is protected with resin against moisture and mechanical damage. To ensure a durable connection and moisture resistance, it is recommended to secure the connector with technical petroleum jelly after connecting the cable.