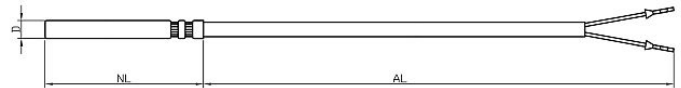


Digital temperature sensor DS18B20 with 1-wire interface with PVC cable

Series 72-KFW

The 72-KFW series sensors are made with a metal protection tube of the sensor and with connecting cable. The cable is ended with free ends or ferrules or connector (plug or socket) according to individual agreements. The metal cover protects the measuring sensor from direct contact with the medium and enables proper positioning and installation of the probe.



Description

Type	72-21304703-0300.0050.TM
Article number	18037139

Digital temperature sensor with metal protection tube and connecting cable in PVC insulation. Measuring insert based on the DS18B20 digital thermometer. The cable is ended with insulated sleeves.

Characteristic

Temperature °C	Digital output	
	(Binary)	(HEX)
-0,5	1111 1111 1111 1000	FFF8h
0	0000 0000 0000 0000	0000h
+0,5	0000 0000 0000 1000	0008h
+25,0625	0000 0001 1001 0001	0191h
+85	0000 0101 0101 0000	0550h

Technical parameters

Digital thermometer	DS18B20
Mesuring range	-5...+105°C
Accuracy	± 0,5°C (-5°C...+85°C) ± 2°C (+85°C...+105°C)
Power Supply	3V ~ 5.5V DC
Nominal length NL	50mm
Diameter D	6mm
Protection tube material	stainless steel
Cable length AL	3000mm
Cable insulation	PVC / PVC
Cable ambient temperature	max. +105°C
Cable ends	ferrules

Color marking of wires

Wire color coding 1: Black : Ground 2: Red : Data 3: White : Power	
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Mounting accessories, screw fittings, flanges, mounting covers are available in other catalog cards and on the website.