

## Description



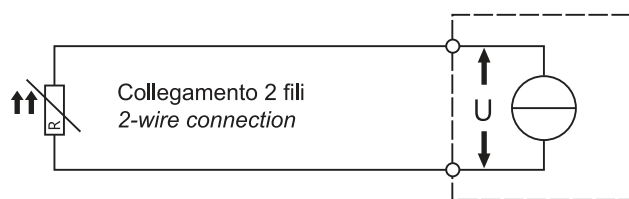
The temperature sensor serie SO measures the outdoor temperature from -50 up to 90°C by a sensor built-in a robust plastic housing and is humidity and temperature resistant. The range is available with all type of current sensor elements. The temperature sensor can be mounted in climate-sensitive areas e.g. on outside walls by avoiding a direct solar radiation.

## Technical specifications

<b>Measurement range</b>	-50...+90°C
<b>Sensor</b>	Pt100, Pt1000, Ni1000, KTY, NTC
<b>Type of connection</b>	2-wires
<b>Measured current</b>	approx. 1 mA
<b>Electrical connection</b>	Screw terminal block for wires up to 1,5 mm <sup>2</sup>
<b>Leakage resistance</b>	> 100 MOhm, at +20°C (500 V DC)
<b>Housing</b>	Polyamide (synthetic) with snap closing screws, colour white like RAL 9010
<b>Cable entry</b>	PG11 high-strength cable gland with strain relief
<b>Dimensions</b>	64x58x34,5 mm
<b>Protection type</b>	IP65
<b>Storage temperature</b>	-20...+70°C
<b>Installation</b>	Screw fastening
<b>Standards</b>	CE conformity, RoHS

Models	Type of sensor
<b>SO1</b>	Pt100 (DIN EN 60751 Cl. B)
<b>SO2</b>	Pt1000 (DIN EN 60751 Cl. B)
<b>SO3</b>	Ni1000
<b>SO5</b>	NTC20k (±1%)
<b>SO6</b>	NTC10k (±1%)
<b>SO7</b>	KTY 81-110 (±1%)
<b>SO8</b>	KTY 81-121 (±1%)

## Electrical wirings



## Dimensions (mm)

