Temperature Sensors Types 5224 to 5265

With PTC resistors



Application

Sensors for measuring the temperatures in heating, ventilation and air-conditioning systems.

Versions with PTC (positive temperature coefficient) resistors. Basic values as specified in the technical data.



Temperature sensors with PTC resistors

remperatur	re sensors with PIC re	esistors								
Immersion s	sensor with thermowell	•	•	•						
Strap-on se	nsor				•					
Outdoor sensor						•				
Room sensor with remote control							•			
	−50 to +120 °C				•					
Measuring	−20 to +40 °C					•				
range	+10 to +30 °C						•			
	+5 to +105 °C	•	•	•						
PTC resistor	Ω		F	Refer to table belov	w 679 to 762					
Length of thermowell		80	80	250	-					
Material of thermowell G 1/2		Brass CrNiMo CrNiMo –								
	Nominal pressure PN	16	40	40		-				
Permissible ambient temperature			+5 to +105 °C		−50 to +120 °C	−20 to +50 °C	+10 to +30 °C			
Degree of protect. (DIN EN 60529)			IP 00 (IP 54)		IP 40	IP 42				
Туре			5264		5265	5224	5244			
Style					•					
Preferable o	application	Additio	or with 3 or 5 m co nal thermowell is n v or return pipe, w	equired.	Heating flow or return pipe	Exterior walls of buildings Room sensor set point co tion and m selector sw				

Resistance values for PTC resistance thermometers of Types 5224, 5264 and 5265 Sensors

Temperature °C	-20	-10	0	10	20	30	40	50	60	70	80	90	100	110	120
Resistance Ω	693	756	824	896	971	1050	1133	1220	1311	1406	1505	1606	1713	1819	1925

Note

The temperature sensors with PTC resistors do not require line compensation. If the line length between the sensor and the controller exceeds 100 m, the line cross-section must be minimum 1.5 mm^2 .

The connecting line between the temperature sensor and the controller must be installed separately from voltage supply lines. With Type 5264, the PVC connecting line is only approved for use in the range from +5 to +105 °C.

Type 5244 Room Sensor with remote control used to change the room temperature set point, equipped with a heating program selector switch (connection: 3 wires, refer to the mounting and operating instructions of the corresponding controller):

- ☆ Continuous rated operation
- Continuous reduced or standby operation
- Continuous time-controlled operation

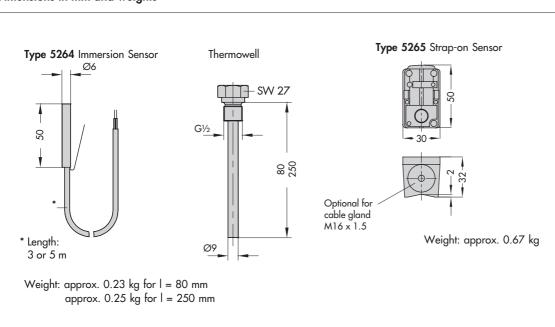
The Type 5265 Strap-on Sensor is suitable for pipes up to \varnothing 60 mm. When mounting the sensor, apply the enclosed heat transfer compound to the sensor (protecting tube made of Cu) and pipe.

Sensor terminals (Types 5265, 5224 and 5244): maximum line cross-section 1.5 mm²

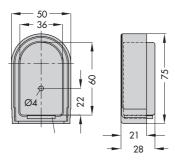
Ordering text

Type ... Temperature Sensor with PTC resistor Thermowell for Type 5264: length ... mm, brass/CrNiMo

Dimensions in mm and weights

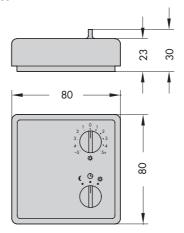


Type 5224 Outdoor Sensor



Weight: approx. 0.1 kg Paint: RAL 9016

Type 5244 Room Sensor



Weight: approx. 0.06 kg Paint: RAL 9010

Specifications subject to change without notice.



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