

## SCR212



- temperature range  $-50 \div 400^{\circ}\text{C}$  (depending on the cable used)
- stainless steel sheath
- any length of the sheath, minimum sheath diameter: 3 mm
- stainless steel smooth handle
- spring protection against excessive cable bending
- sensor connection standard or mini plug

Resistance thermometers SCR212 are industrial standard sensors with high accuracy and stability. They are intended for industrial and laboratory applications. Thanks to their design of tight thermowell with a stainless steel handle, they can be used in a dry environment as well as in wet baths. Lead wire can be with the insulated bare ends ready for being assembled to a connector or directly to a measuring device.

## Application areas

- food industry, warehouses,
- general industrial services.

## TECHNICAL DATA

Sensing element	Pt100, Pt500 or Pt1000 (2-, 3- or 4-wire) or other
Measuring range	$-50 \div 400^{\circ}\text{C}$ (depending on the cable used)
Process connection	standard or mini plug
Class	A or B
Thermowell	material: stainless steel length: 100 mm (standard) or other diameter (min. 3 mm): 3,5 mm, 4 mm or other
Cable	type with table, standard length 1500 mm or other according to order

## CONNECTION CABLES

Diagram	Insulation design	Temperature range	Code
	Double fibreglass - stainless steel	$400^{\circ}\text{C}$ max.	WS
	PVC	$105^{\circ}\text{C}$ max.	PVC
	Teflon - stainless steel - teflon	$260^{\circ}\text{C}$ max.	TOT
	Teflon - stainless steel	$260^{\circ}\text{C}$ max.	TO
	Silicon - stainless steel - silicon	$180^{\circ}\text{C}$ max.	SOS
	Silicon - silicon	$250^{\circ}\text{C}$ max.	SS
	Teflon - teflon	$260^{\circ}\text{C}$ max.	TT

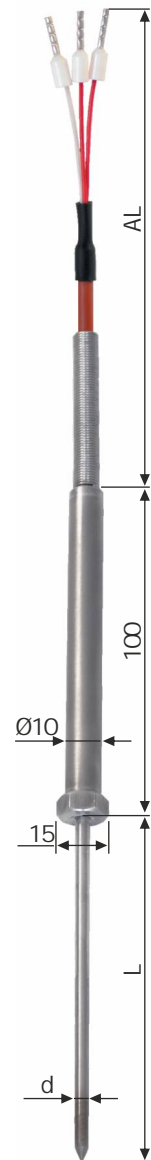
## OPTIONAL EQUIPMENT



„mini“ plug



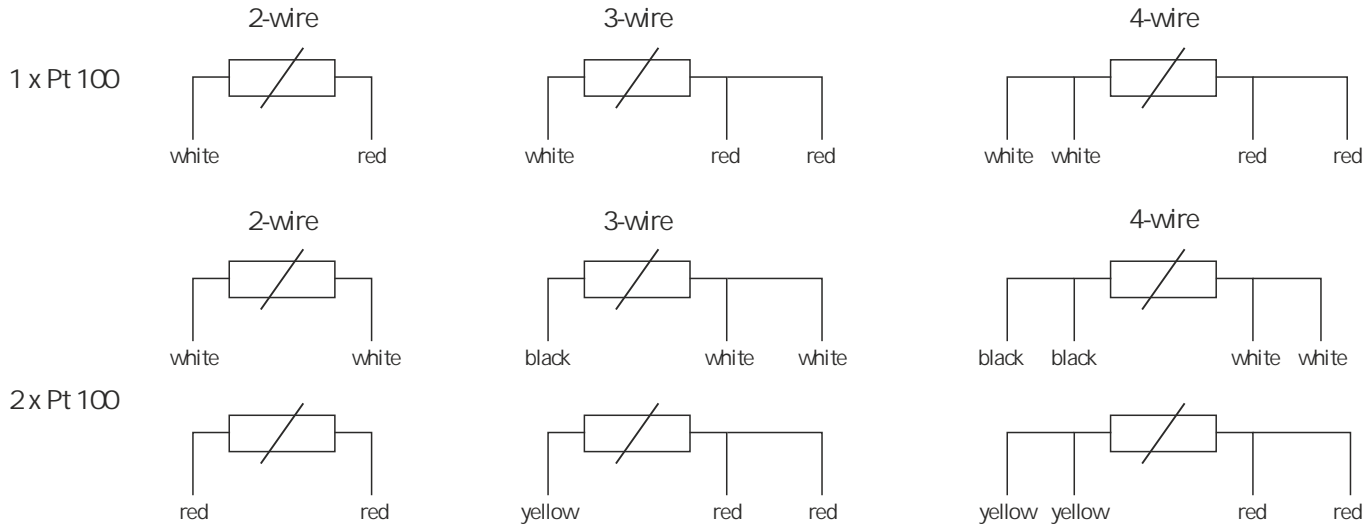
„standard“ plug



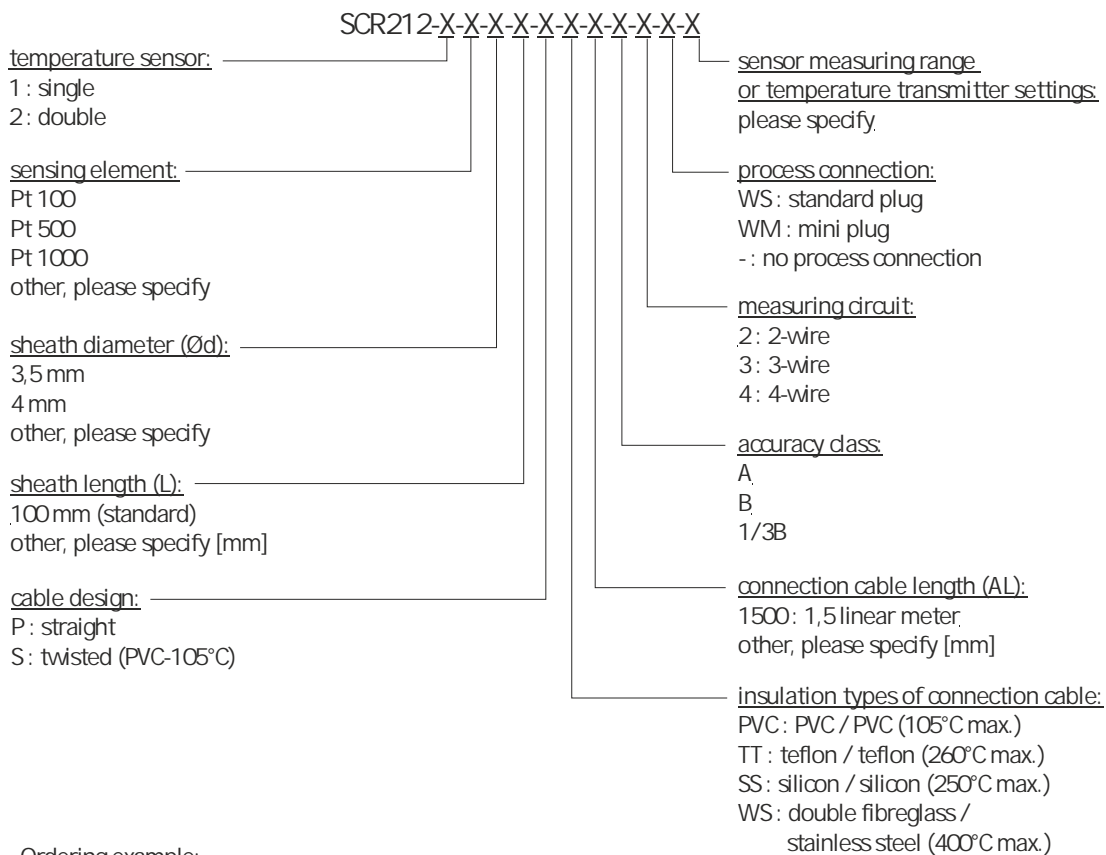
## RESISTOR TOLERANCE ACC. TO PN-EN 60751

Class	Tolerance [°C]
A	$t = 0,15 + 0,002 \times  t $
B	$t = 0,30 + 0,005 \times  t $

## ELECTRICAL CONNECTION



## ORDERING



Ordering example:

SCR212-1-Pt100-4-100-P-TT-1500-B-2-150

Single RTD temperature sensor, 1xPt100, B tolerance class, 2-wire, sheath diameter 4 mm and length 100 mm, teflon insulation, sensor measuring range 150°C.

