

## SCT211



- temperature range  $-40 \div 400^{\circ}\text{C}$  (depending on the cable used)
- stainless steel sheath
- minimum sheath diameter: 3 mm
- any length of the sheath
- stainless steel grooved handle
- spring protection against excessive cable bending
- sensor connection standard or mini plug

The thermocouples **SCT211** 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

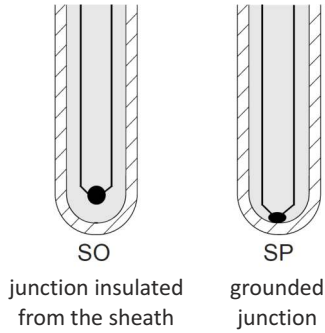
Sensing element	J, K, N thermocouple (single, double)
Measuring range	$-40 \div 400^{\circ}\text{C}$ (depending on the cable used)
Process connection	standard or mini plug
Class	1 or 2
Sheath	material: stainless steel 1.4541 or other nominal length: 100 mm (standard) diameter: 3,5 or 4 mm
Cable	type with table, standard length 1500 mm or other according to order

### CONNECTION CABLES

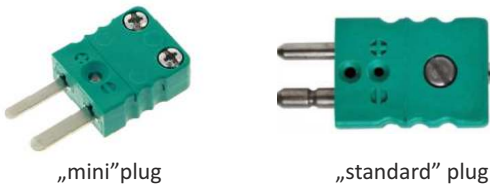
Diagram	Insulation design	Temperature range	Code
	- double fiberglass - stainless steel - cond: nickel plated copper	$-40 \div 400^{\circ}\text{C}$	WS
	- PVC - cond: nickel plated copper	$-10^{\circ}\text{C} \div 105^{\circ}\text{C}$	PVC
	- teflon - stainless steel - teflon - cond: nickel plated copper	$260^{\circ}\text{C max.}$	TOT
	- teflon - stainless steel - cond: nickel plated copper	$260^{\circ}\text{C max.}$	TO
	- silicon - stainless steel - silicon - cond: nickel plated copper	$180^{\circ}\text{C max.}$	SOS
	- silicon - silicon - cond: nickel plated copper	$-40^{\circ}\text{C} \div 250^{\circ}\text{C}$	SS
	- teflon - teflon - cond: nickel plated copper	$-40^{\circ}\text{C} \div 205^{\circ}\text{C}$	TT



**TYPES OF MEASURING HOT JUNCTION**



**OPTIONAL EQUIPMENT**



**ORDERING**

SCT211-X-X-X-X-X-X-X-X-X-X

<p><b>temperature sensor:</b> 1 : single 2 : double PP : with transmitter</p> <p><b>sensing element:</b> J K N other, please specify</p> <p><b>sheath diameter (∅d):</b> 3,5 mm 4 mm other, please specify</p> <p><b>sheath length (L):</b> 100 mm (standard) other, please specify [mm]</p> <p><b>cable design:</b> P : straight S : twisted (PVC-105°C)</p>	<p><b>sensor measuring range or temperature transmitter settings:</b> please specify</p> <p><b>process connection:</b> WS : standard plug WM : mini plug - : no process connection</p> <p><b>accuracy class:</b> class 1 class 2</p> <p><b>junction type:</b> SO : junction isolated from the sheath SU : junction grounded</p> <p><b>connecting cable length:</b> 1500 : 1,5 linear meter other, please specify [mm]</p> <p><b>insulation types of connection cable:</b> PVC : PVC / PVC (110°C max.) TS : teflon / silicon (180°C max.) SS : silicon / silicon (250°C max.) WS : double fibreglass / stainless steel (400°C max.)</p>
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Ordering example:

**SCT211-1-K-4-100-P-WS-1500-SO-2-WM-150°C**

Single TC temperature sensor, K thermocouple, 2 tolerance class, sheath diameter 4 mm and length 100 mm, straight connection cable, length 1500 mm with fibreglass insulation and „mini” plug, hot junction isolated from the sheath, sensor measuring range 150°C.

