

SCT203



- temperature range $-40 \div 400^{\circ}\text{C}$ (depending on the cable used)
- stainless steel sheath
- assembly screw hole in thermowell allows to mount sensor
- thermowell spring protection against excessive cable bending

The thermocouples **SCT203** are designed for fitting directly into a drilled hole or process. Consist of a thermocouple element, a protection tube made out of stainless steel, and a connection cable. Sensor insertion length, thermowell diameter, process connection thread, number of sensors, accuracy, cable length, and insulation can be selected individually for the respective application.

Application areas:
 - fine chemical industry,
 - light energy industry,
 - general industrial services.

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°C max.	TOT
	- teflon - stainless steel - cond: nickel plated copper	260°C max.	TO
	- silicon - stainless steel - silicon - cond: nickel plated copper	180°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



ORDERING

SCT203-X-X-X-X-X-X-X

- temperature sensor:**
 - 1 : single
 - 2 : double
- sensing element:**
 - J
 - K
 - N
 - other, please specify
- mounting hole diameter (Ød1):**
 - Ø3,2 mm
 - Ø4,2 mm
 - other, please specify
- insulation types of connection cable:**
 - PVC : PVC / PVC (110°C max.)
 - TS : teflon / silicon (180°C max.)
 - SS : silicon / silicon (250°C max.)
 - WS : double fiberglass / stainless steel (400°C max.)
- accuracy class:**
 - class 1
 - class 2
- junction type:**
 - SO : junction isolated from the sheath
 - SU : junction grounded
- connecting cable length:**
 - 1500 : 1,5 linear meter
 - other, please specify [mm]

Sheath diameter	Mounting hole diameter (d1)	Width (d)
Ø 4 mm	Ø 3,2 mm	6 mm
Ø 6 mm	Ø 4,2 mm	8 mm
Ø 6 mm	Ø 5,2 mm	10 mm

Ordering example:
SCT203-1-K-3,2-WS-1500-SO-2
 Single TC temperature sensor, K thermocouple, 2 tolerance class, mounting hole diameter 3,2 mm, fiberglass insulation, cable length 1500 mm, hot junction isolated from the sheath

