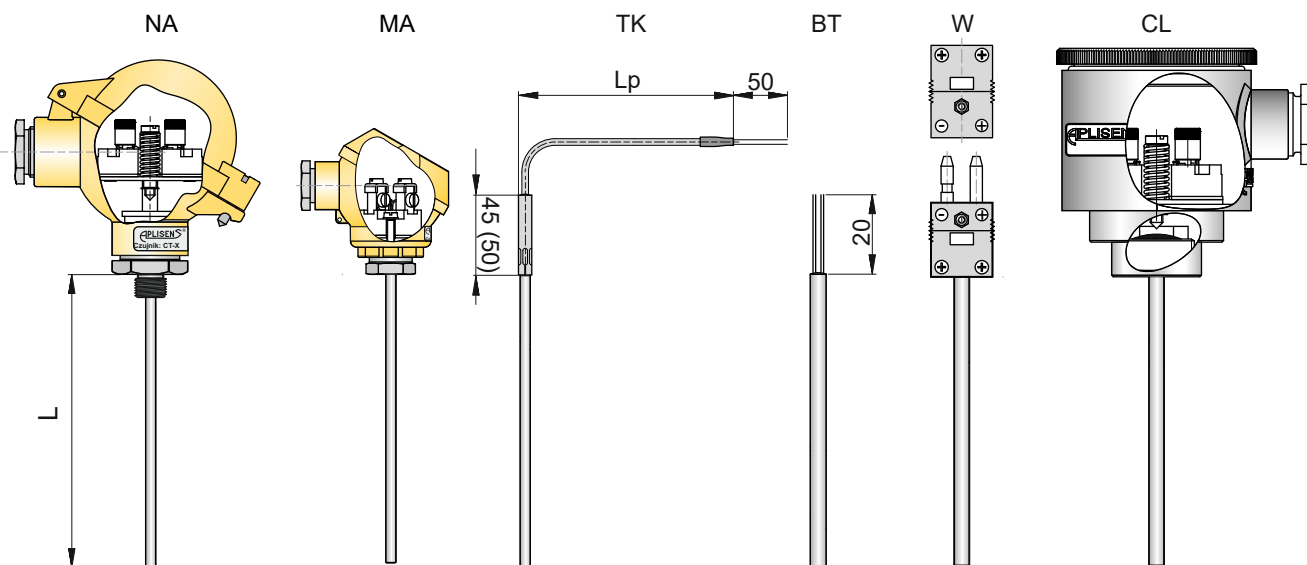


TEMPERATURE SENSORS WITHOUT ADDITIONAL PROTECTION TUBE TYPE CT X

- ✓ RTD (Pt100, Pt1000) and TC sensors
- ✓ ATEX Exia certificate



Features

Temperature sensors CT X are offered as Pt100/Pt1000 resistance thermometers or thermocouples.

In resistance sensors (RTD) platinum resistors change their electrical resistance as a function of temperature. RTD, the most commonly used sensors in industry, are suitable for applications between -200...+600°C. The accuracy classes A and B are available with a tolerance acc. to IEC60751.

Thermocouples are made of two different conductors joined at the end. The temperature difference between junction, placed in measuring point (hot junction), and wire ends (cold junction), generate voltage proportional to the difference of temperature between these junctions. Thermocouples are suitable for the measurement of high temperatures, up to 1700C.

The accuracy classes 1 and 2 are available with tolerance acc. to IEC60584.

Description



Temperature sensors model CT X are offered without additional protection tube.

Small diameters and flexibility of process part allow for assembling in not easily accessible places.

Sensors are suitable only for non-aggressive or abrasive liquids and gases. Usually are mounted directly into the process. Sensors can be mounted also into thermowells, in this case is recommended assembling with spring-loaded fitting or using transmission liquid.

Sensors are offered with various screwed connections of for insertion, with fitting elements like union nuts. Typical application are:

- machine building
- temperature measurement in motors, bearings

Ordering procedure				
CTX				
	Diameter of sensor			
	3	3mm		
	6	6mm		
	8	8mm		
	Certificate			
	x	standard version, no certificates		
	Exia /II		II 1/2 G Ex ia IIC T6...T1 Ga/Gb II 1D Ex ia IIC T75°C Da	
	Exia /I		I M1 Ex ia I Ma	available with KO housing only
	Measuring element			
	Pt	Pt100		
	2xPt	2xPt100		
	J	TC type J		
	2xJ	2x TC type J		
	K	TC type K		
	Class of element			
	A/3	TR sensor, Class A, 3 wires		
	A/4	TR sensor, Class A, 4 wires		
	B/2	TR sensor, Class B, 2 wires		
	1/O	TC sensor, Class 1, ungrounded junction		
	Length			
	L=	required length of immersion [mm]		
	Process connection			
	X	Without threaded connection		
	M20x1,5	thread M20x1,5 (only 6mm sensor)		
	G1/2	thread G1/2" (only 6mm sensor)		
	1/2NPT	thread 1/2"NPT (only 6mm sensor)		
	UG/G1/2"	clamping grips with thread G1/2"		
	UG/1/2"NPT	clamping grips with thread 1/2"NPT		
	Electrical connection			
	BT			
	TK			
	W			
	MA			
	KO			
	NA			