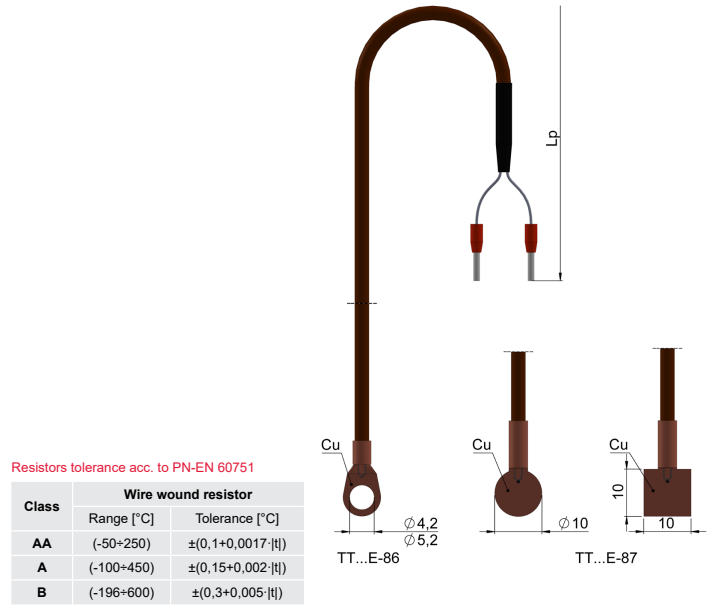


Temperature sensors for surface measurement TTJ/KE-86, TTJ/KE-87

Technical description

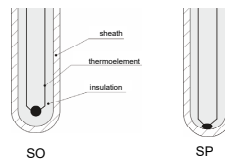
Measuring range / sensing element		
(-40 ÷ 400) °C	J, K	class 2
Thermowell		
– thermocouple wire terminated with a junction – TTJ/KE-86 cable tip with eyelet, clamped hot junction, surface mounting with M4 or M5 screw – TTJ/KE-87 square or round plate, brazed hot junction		
Wire		
– thermocouple wire: 2x0,22 mm ² – fiberglass insulation with metal braid – length L _p =1,5m (standard)		
Options		
– other cable insulations acc. to requirements: silicone insulation, operating temperature up to 180 °C, teflon insulation, operating temperature up to 200 °C		



Tolerance for thermocouples class acc. to. PN-EN 60584

Thermocouple	Class 1		Class 2	
	Range [°C]	Tolerance [°C]	Range [°C]	Tolerance [°C]
J Fe-CuNi	(-40÷375) (375÷750)	±1,5 ±0,004 t	(-40÷333) (333÷750)	±2,5 ±0,0075 t
K NiCr-NiAl	(-40÷375) (375÷1000)	±1,5 ±0,004 t	from (-40÷333) (333÷1200)	±2,5 ±0,0075 t

Types of measuring hot junction



Ordering code

Temperature sensor	TT	...	E-8
Thermocouple Fe-CuNi			J			
Thermocouple NiCr-NiAl			K			
Tip: eyelet					6	
Tip: flat					7	
Mounting: M4 screw (for TTJ/KE-86)						4
Mounting: M5 screw (for TTJ/KE-86)						5
Disc diameter (for TTJ/KE-87) [mm]						10*
Square dimension (for TTJ/KE-87) [mm]						10x10*
Cable length L _p [m]						1,5m*

* or others acc. to requirements

Ordering example

TTJE-86-5-2m sensor with thermocouple Fe-CuNi, class 2, mounted with M5 screw, lead wire length L_p = 2m

TTKE-87-10x10-3m sensor with thermocouple NiCr-NiAl, class 2, with measuring surface 10x10 mm, lead wire length L_p = 3m