ELEKTRON ERMA-STRMEC

ELECTRONICS
REGULATION
MEASUREMENT
AUTOMATION

INSTRUCTIONS

Corner thermoelements

TK

ORDER NUMBERS

- TK13.xx.xxx
- TK14.xx.xxx

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Hrvatska



Basic characteristics:

- Operating temperature Up to 1200 °C
- Connection head Type A
- Dimensions 300 - 1000 mm

CONTENTS

1 TECHNICAL DATA 3

1.1 CORNER TERMOCOUPLE - NO KNEE CONNECTION 3
1.2 CORNER TERMOCOUPLE - WITH KNEE CONNECTION 3

2 ORDER NUMBERS 4

2.1 CORNER TERMOCOUPLE - NO KNEE CONNECTION 4
2.2 CORNER TERMOCOUPLE - WITH KNEE CONNECTION 4

3 DIMENSIONS 5

1 TECHNICAL DATA

1.1 CORNER TERMOCOUPLE - NO KNEE CONNECTION

Connection head	Type A	
Measuring element	Fe-CuNi	
Sheath tube	M2 teh. pure iron (W.Nr.1.1003)	∅ 22 x 5
	X10CrSi29 (W.Nr.1.4772)	∅ 26 x 4 mm
	X15CrNiSi2520 (W.Nr.1.4841)	∅ 22 mm
Operating temperature	Up to 1250 °C	
Length measurement part (L1)	300 mm	
	500 mm	
	1000 mm	
Length of bearing parts (L2)	330 mm	
	500 mm	
	570 mm	

1.2 CORNER TERMOCOUPLE - WITH KNEE CONNECTION

Connection head	Type A	
Measuring element	Fe-CuNi	
	Ni-CrNi	
External protective tube	M2 teh. pure iron (W.Nr.1.1003)	∅ 22 x 5
	SL-22 cast iron	∅ 30
	X10CrSi29 (W.Nr.1.4772)	∅ 26 x 4 mm
	X15CrNiSi2520 (W.Nr.1.4841)	∅ 22 mm
Internal protective tube	Ceramic 610	
Operating temperature	Up to 1200 °C	
Length measurement part (L1)	300 mm	
	500 mm	
	710 mm	
Length of bearing parts (L2)	330 mm	
	500 mm	
	570 mm	
Performance	Single	
	Dual	
Thickness of the thermocouple	3 mm	

2 ORDER NUMBERS

2.1 CORNER TERMOCOUPLE - NO KNEE CONNECTION

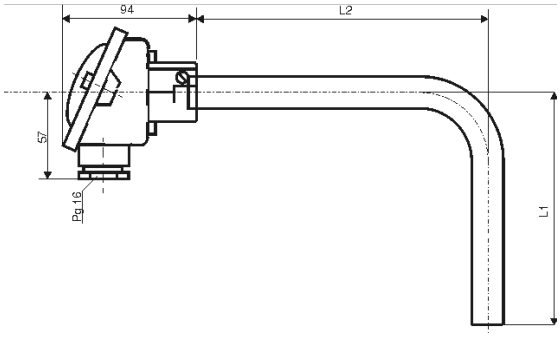
Corner termocouple	TK	x	x	x	x	x	x	x	x
Connection head	Type A	1							
Type of sensor	Fe-CuNi	3							
Material of external protective tube	Teh. pure iron (M2) W.Nr.1.1003 ∅22x5			1					
	W.Nr.1.4772 ∅26x4			3					
	W.Nr.1.4841 ∅22			4					
Material of internal protective tube	without protection				0				
Sheath tube lenght (L1)	300 mm					A			
	500 mm					1			
	1000 mm					3			
Length of the bearing tube (L2)	330 mm						A		
	500 mm						1		
	570 mm						2		
Form of protective tube	No knee connection- tip 1							1	
Number of thermoelements	Single								1
	Dual								2

2.2 CORNER TERMOCOUPLE - WITH KNEE CONNECTION

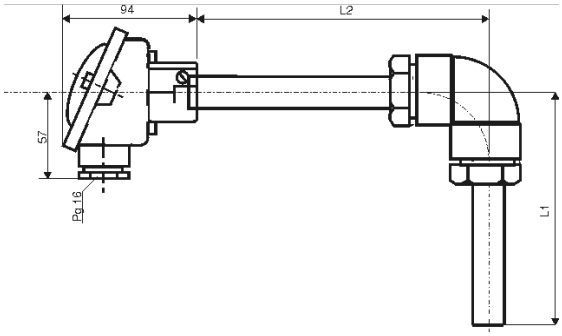
Corner termocouple	TK	x	x	x	x	x	x	x	x
Connection head	Type A	1							
Type of sensor	Fe-CuNi	3							
	Ni-CrNi	4							
Material of external protective tube	Teh. pure iron (M2) W.Nr.1.1003 ∅22x5			1					
	Cast iron Sl-22 ∅30			2					
	W.Nr.1.4772 ∅26x4			3					
	W.Nr.1.4841 ∅22			4					
Material of internal protective tube	without protection				0				
	Cer 610				1				
Sheath tube lenght (L1)	300 mm					A			
	500 mm					1			
	710 mm					2			
Length of the bearing tube (L2)	330 mm						A		
	500 mm						1		
	570 mm						2		
Form of protective tube	With knee connection-type 2							2	
Number of thermoelements	Single								1
	Dual								2

3 DIMENSIONS

Corner thermocouple without connection on the knee



Corner Thermocouple with connection on the knee



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