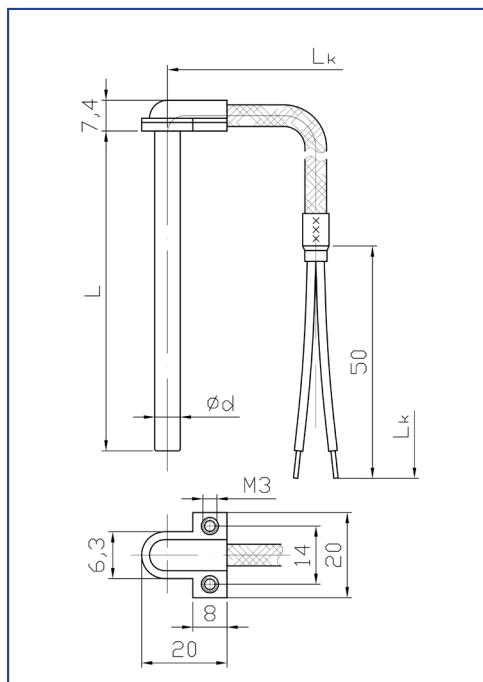


TER-KtKbm-183

Angular Thermocouple Miniature with connection cable

Angular thermocouple miniature with connection cable type TER-KtKbm-183 is for temperature measurement in various machines and its sub-assemblies.



Type	Execution
TER-KtKbm-183	Basic - acc to catalog card
TER-KtKbm-183/Exi	Intrinsic safe – acc to Atex

Technical specification

Sheathed sensor insert	Temp. range - Class 1	Characteristic	Junction
1xFe-CuNi (J), 2xFe-CuNi (J)	-40°C..+300°C	acc. EN 60584-1	ungrounded
1xNiCr-NiAl (K), 2xNiCr-NiAl (K)	-40°C..+400°C		grounded

Protection tube diam. d	Material acc. DIN/AISI	Length L [mm]	Process connection thread D
Ø4, Ø5, Ø6	1.4571/316Ti	on request (min. 20 mm)	on request (e.g. M10x1, M12x1, M20x1,5, G1/2", G1/4", G3/8")

Thermocouple	Configuration	Dimension	Compensation cable type	Insulation	Temp. limits
Single	2 wire (1-pair)	Ø 3,2	L2GGD-J-0,22mm2	glass fibre, glass fibre, screen	+400°C
		Ø 3,3	L2GGD-K-0,22mm2		
		Ø 3,2	L2TDT-J-0,22mm2	teflon, screen, teflon	+260°C
		Ø 3,0	L2TDT-K-0,22mm2		
Double	4 wire (2-pair)	Ø 4,0	L4GGD-J-0,22mm2	glass fibre, glass fibre, screen	+400°C
		Ø 3,6	L4GGD-K-0,22mm2		

Non-standard models available.

Ordering Information

TER-KtKbm-183	A	B	C	D	E	F	G	H	I
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A Execution	
-	Basic
/Exi	Intrinsic safe

B Type of thermocouple	
1xJ	Single Fe-CuNi
2xJ	Double Fe-CuNi
1xK	Single NiCr-NiAl
2xK	Double NiCr-NiAl

C Junction	
O	ungrounded
Z	grounded

D Protection tube diameter d	
4	d= 4 mm
5	d= 5 mm
6	d= 6 mm

E Protection tube length L	
	specify in mm

F Protection tube material	
1.4571	1.4571/316Ti

G Compensation cable type	
2p-L2GGD-J	2 wire (L2GGD-J-0,22)
2p-L2TDT-J	2 wire (L2TDT-J-0,22)
4p-L4GGD-J	4 wire (L4GGD-J-0,22)
2p-L2GGD-K	2 wire (L2GGD-K-0,22)
2p-L2TDT-K	2 wire (L2TDT-K-0,22)
4p-L4GGD-K	4 wire (L4GGD-K-0,22)

H Cable length L_k	
	specify in mm

I Operating temperature	
	specify in °C

Ordering Example

TER-KtKbm-183/Exi-1xJ-O-5-50-1.4571-2p-L2GGD-J-3000-250

stands for: Angular thermocouple 1xFe-CuNi, Intrinsic safe execution, ungrounded, protection tube diameter ø5 mm, length L=50 mm, material 1.4571, configuration 2-wire, cable type L2GGD-J length L_k =3000 mm, operating temp. up to 250°C.