

Description :

Thermocouples with fabricated protection tube for industrial applications.

Installation :

Direct installation into the process with fixed male thread

Measuring Insert:

Execution according DIN 43762

The insert can be replaced separately.

For measuring inserts see datasheet 801

Thermocouples :

Type L (Fe-CuNi) according to DIN 43710

Type J (Fe-CuNi) according to DIN EN 60584 / IEC 584

Type K (NiCr-Ni) according to DIN EN 60584 / IEC 584

The DIN-Types T, S, E, N, R and B available upon request.

Accuracy :

Class 1 according to DIN EN 60584 / IEC 584

Material of wetted parts

Stainless steel AISI316Ti (1.4571)

Other upon request

Temperature Limits :

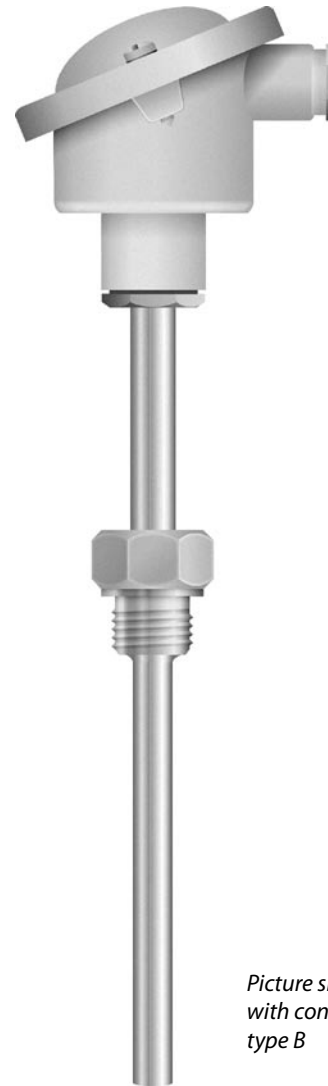
Maximum Temperature 800 °C

Electrical connection:

Ceramic connection terminal for 2 or 4 clamps.

Also available with mounted head transmitter

4...20 mA (Only in connection heads type BUZ-H).



Picture shows execution with connection head type B

Suggestions for installation of thermocouples with fixed external thread

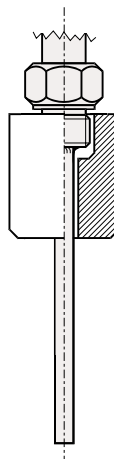
For further installation possibilities see chapter **protection tubes**

Thread joint,

weld - in type

according to datasheet

18.11



Thermocouples

Datasheet 821.3

Screw - in type, with stainless steel protection tube

Straight Thermocouples

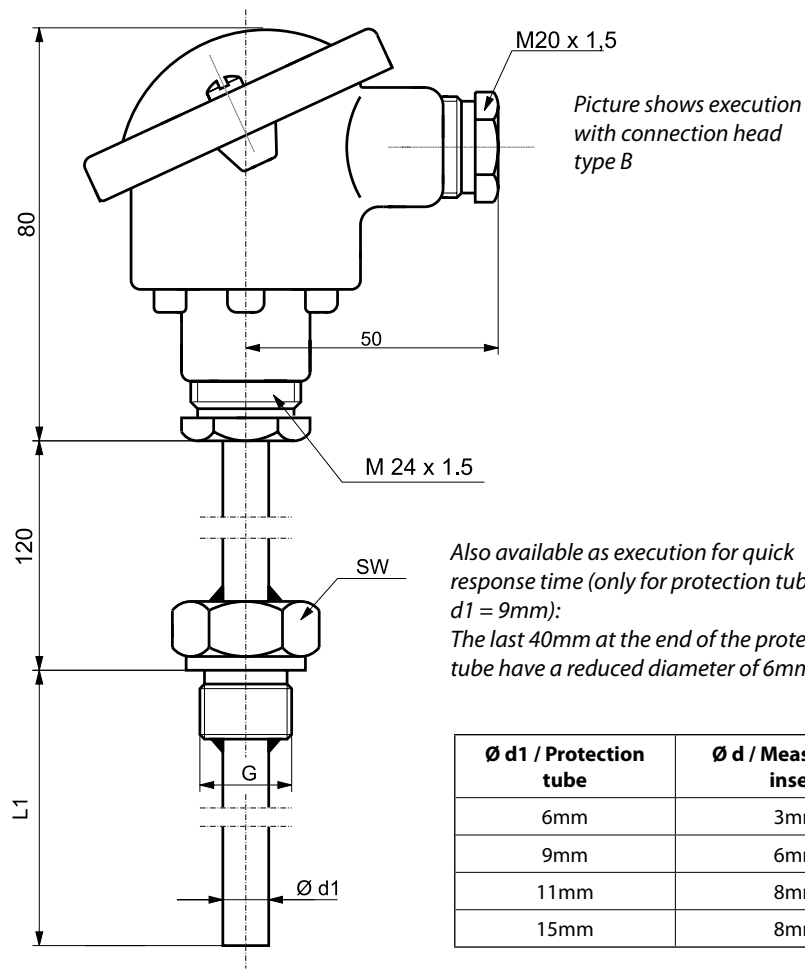
Protection tube diameter / d1	
Ordering code	F G
6mm	1 3
9mm	5 6
11mm	6 8
15mm	7 8
Special diameter	9 9

Terminal heads *1	
Ordering code	H I
Type B	0 1
Type BUZ	0 2
Type BUZ - H	0 3
Type NS	0 4
Type GG	0 5
Type BEG	0 6
Special type	0 9

Threads		
Ordering code		J K
G 1/2"	SW 27	0 1
G 3/4"	SW 32	0 2
G 1"	SW 41	0 3
NPT 1/2"	SW 27	0 4
NPT 3/4"	SW 32	
M 18 x 1,5	SW 24	0 6
M 20 x 1,5	SW 27	0 7
Special thread		9 9

Thermocouples	
Ordering code	LM
Typ L (Fe - CuNi)	1 0
Typ J (Fe - CuNi)	1 1
Typ K (Ni - CrNi)	1 2
Special type	9 9

Number of thermocouples *7	
Ordering code	P
Single TC	1
Double TC	2



Ø d1 / Protection tube	Ø d / Measuring insert
6mm	3mm
9mm	6mm
11mm	8mm
15mm	8mm

Transmitter *2	
Ordering code	N
Without	0
According datasheet 844.00 *3	1
According datasheet 846.00 *4	3
According datasheet 847.00 *5	5
According datasheet 848.00 *6	6
Special type	9

- *1 Terminal heads see Infosheet 81.02
- *2 Declare measurement range in plain text
- *3 Analog, Low- Cost
- *4 Digital, Low- Cost, without seperation
- *5 Digital, with seperation
- *6 Digital, with seperation, HART® compatible
- *7 Wiring schemes see datasheet 802.0

Ordering-code :

for ordering please fill out all empty digits in the order code on the right.

The code numbers for all free digits you find in the charts above.

For ordering please declare in plain text :

Insertion length (L_i): mm With transmitter / measuring range:°C to °C

