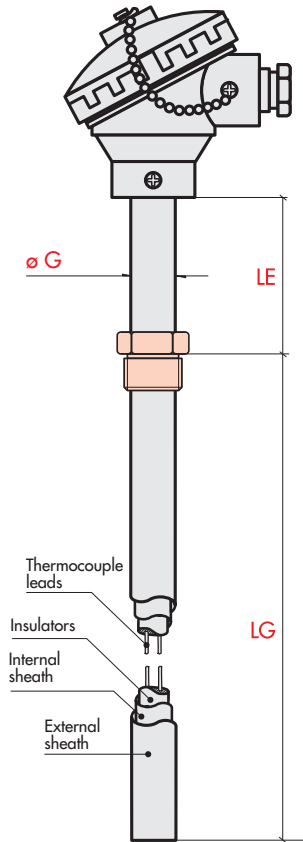




# High temperature sensors

Metal sheathed straight thermocouple,  $\varnothing$  10 to  $\varnothing$  26mm, connection head, with optional fixed attaching device

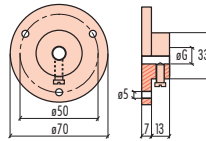


### Electrical connection



### Flanges (see data sheet Z2 Flanges)

Code	$\varnothing G$
Z2 FLS-A/B120	12
Z2 FLS-A/B150	15
Z2 FLS-A/B172	17.2
Z2 FLS-A/B213	21.3



DATA SHEET

Connection head	Diameter $\varnothing G$ mm	Base code	Thermocouple type	Element N° and limits	Hot junction	External sheath material	Internal sheath material	Sheath $LG$ mm	Thermocouple wire $\varnothing$ (mm)	Type of thread	Extension $LE$ mm					
Standard IP67 optional Transmitter *	10	<b>M2 S10</b>	<b>J</b> Fe-Cuni IEC	<b>0</b> Single Cl. 2 (standard)		<b>A</b> AISI 321	<b>0</b> None	<b>0100</b>	<b>0</b> MgO only K and N (Inconel 600)	<b>S</b> None	<b>00</b> None					
	12	<b>M2 S12</b>														
	15	<b>M2 S15</b>	<b>K</b> NiCr - Ni DIN - IEC	<b>1</b> Dual Cl. 2 (standard)	Insulated							<b>B</b> AISI 316	<b>1</b> DIN 610	<b>0150</b>	<b>H</b> $3/8''$ Gas - L15 CH-22	<b>02</b> 20
	17,2	<b>M2 S17</b>														
	21,3	<b>M2 S21</b>	<b>N</b> NiCrSi-NiSi DIN - IEC	<b>2</b> Single Cl. 1 (special)								<b>C</b> Inconel 600 solo 21.3	<b>0200</b>	<b>3</b> $\varnothing$ 0,5 only S/R 1500°C	<b>I</b> $1/2''$ Gas - L15 CH-24	<b>03</b> 30
	12 + T	<b>M2 T12</b>														
	17,2 + T	<b>M2 T17</b>	<b>R</b> PT 13% Rh-Pt DIN-IEC	<b>3</b> Dual Cl. 1 (special)	Grounded							<b>D</b> AISI 310	<b>0250</b>	<b>6</b> $\varnothing$ 1,6 only J and K 1090°C	<b>J</b> $3/4''$ Gas - L15 CH - 30 $\varnothing$ 6 mm 21,3	<b>05</b> 50
21,3 + T	<b>M2 T21</b>															
II 2G Ex db IIC Gb IP67	12	<b>M2 X12</b>	<b>S</b> PT 10%Rh-Pt DIN 34710 IEX 584			<b>E</b> AISI 446 solo 21.3	<b>0300</b>	<b>7</b> $\varnothing$ 2,3 only J and K 1150°C		<b>L</b> $1''$ Gas - L16 CH - 38	<b>20</b> 200					
	15	<b>M2 X15</b>														
	17,2	<b>M2 X17</b>														
	21,3	<b>M2 X21</b>														
DIN A IP66	15	<b>M2 A15</b>														
	21,3	<b>M2 A21</b>														
DIN B IP67	10	<b>M2 B10</b>														
	12	<b>M2 B12</b>														
	15	<b>M2 B15</b>														
	17,2	<b>M2 B17</b>														
	21,3	<b>M2 B21</b>														
								L min								
								<b>0100</b>								

Note: for  $LG$  and  $LE$  other lengths upon request. Code example:  $LG = 135mm$  cod. **0135** /  $LE = 60mm$  cod. **06**, \* Transmitter for single element only.

Product code example: **M2 S21 - L00 - B00200 • 8 - S00**

Straight thermocouple, standard head,  $\varnothing$  21.3mm sheath, single elem., class 2 accuracy, ungrounded junction, AISI 316 ext.sheath, no internal sheath, 200mm length,  $\varnothing$  3.2 wire, no attaching device and no extension.