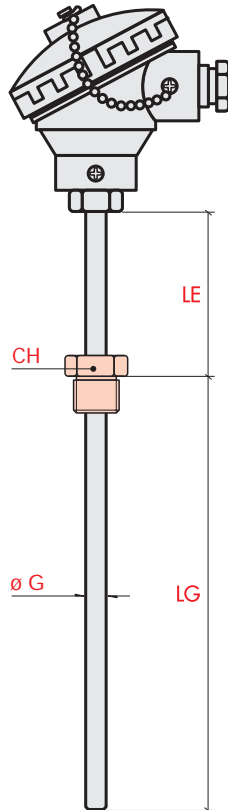
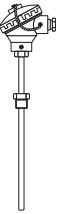




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## Sensors for medium pressures with replaceable insertion



**Electrical connection**

**Mounting Fittings**  
(for models without fixed attaching device only)

Suggested adjustable compression fittings

Material	ø1	L	CH	øG	Model
AISI 316	1/2" G	14	24	10	Z1 RFS-B/I100
	1/2" NPT	19	22	10	Z1 RFS-B/Q100
	1/2" G	14	24	13.5	Z1 RFS-B/I135
	1/2" NPT	19	22	13.5	Z1 RFS-B/Q135

**G1** Straight thermocouple, 10 and 13.5mm sheath o.d. with optional fixed attaching device

Connection head	Diameter* ø G mm	Base code	Thermocouple type	Element N° and limits	Hot junction	Sheath material	Sheath LG mm	Type of thread	Extension LE mm
Standard IP67, optional transmitter 	10	G1 S10	L Fe - CuNi DIN/500°C max	0 Single Cl. 2 (standard)	0 Insulated 	B AISI 316	0100	S Without	00 Without
	13.5	G1 S13							
	10 + T	G1 T10							
	13.5 + T	G1 T13							
Nylon IP65, optional transmitter ** 	10	G1 N10	J Fe - CuNi IEC/500°C max K NiCr - Ni DIN - IEC/800°C max	1 Dual Cl. 2 (standard) 2 Single Cl. 1 (special) 3 Dual Cl. 2 (special)	1 Grounded 		0150	F 1/4" Gas - L13 CH - 17(ø10 only)	05 50
	13.5	G1 N13							
	10 + T	G1 Y10							
	13.5 + T	G1 Y13							
EEx d IIB IP65, optional transmitter ** 	10	G1 X10					0200	H 3/8" Gas - L15 CH - 22	
	13.5	G1 X13							
	10 + T	G1 U10							
	13.5 + T	G1 U13							
							0250	I 1/2" Gas - L15 CH - 24	10 100
							0300	J 3/4" Gas - L15 CH - 30	
							0350	R 3/4" NPT - L15 CH - 30	
							0400	N 1/4" NPT - L13 CH - 17(ø10 only)	
							0450	Q 1/2" NPT - L15 CH - 24	
							0500	L 1" Gas - L16 CH - 38	
								T 1" NPT - L25 CH - 36	
							L min 0080		

Note:  
\* Insertion ø 6  
\*\* Transmitter for single element only

Note: other lengths on request for LG and LE. Code ex.: LG = 135mm Code 0135 / LE = 60mm Code 06

**G1 S10 - L 0 0 - B 0100 - S 00**

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**Reference model:**  
Straight thermocouple, standard head, 10mm sheath o.d., Fe-CuNi DIN, class 2 single element, ungrounded plain end, AISI 316 sheath, 100mm length, no attaching device, no extension, with replaceable insertion.



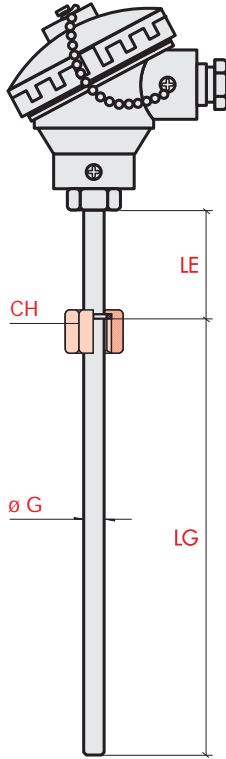




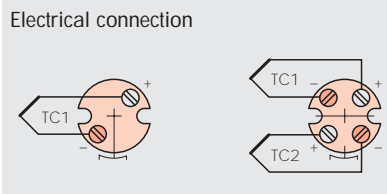
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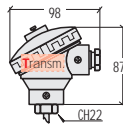

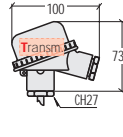

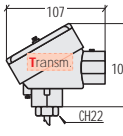
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## Sensors for medium pressures with replaceable insertion



**G3** Straight thermocouple, 10 and 13.5mm o.d. with connection head and female rotating attaching device



Connection head	Diameter* ø G mm	Base code	Thermocouple type	Element N° and limits	Hot junction	Sheath material	Sheath LG mm	Type of thread	Extension LE mm
Standard IP67, optional transmitter** 	10	G3 S10	L Fe - CuNi DIN/500°C max	0 Single Cl. 2 (standard)	0  Insulated	B AISI 316	0100	I 1/2" Gas - L16 CH - 24	02 20
	13.5	G3 S13							
	10 + T	G3 T10							
	13.5 + T	G3 T13							
Nylon IP65, optional transmitter** 	10	G3 N10	J Fe - CuNi IEC/500°C max	1 Dual Cl. 2 (standard)	1  Grounded		0150	H 3/8" Gas - L17 CH - 19	05 50
	13.5	G3 N13							
	10 + T	G3 Y10							
	13.5 + T	G3 Y13							
EEx d IIB IP65, optional transmitter** 	10	G3 X10	K NiCr - Ni DIN - IEC/800°C max	2 Single Cl. 1 (special)			0200	J 3/4" Gas - L16 CH - 30	08 80
	13.5	G3 X13							
	10 + T	G3 U10							
	13.5 + T	G3 U13							
							0350		
							0400		
							0450		
							0500		
							L min 0080		

Note:  
\* ø G = 10, insertion ø 6  
ø G = 13.5, insertion ø 8  
\*\* Transmitter for single element only

Note: other lengths on request for LG and LE. Code ex.: LG = 135mm Code 0135 / LE = 60mm Code 06

Reference model:

Flanged thermocouple, standard head, 10mm sheath o.d., Fe-CuNi DIN, class 2 single element, ungrounded element, AISI 316 sheath, 100mm length, DN PN16 flange, 20mm extension with replaceable insertion.

**G3 S10 - L 0 0 - B 0100 - I 02**

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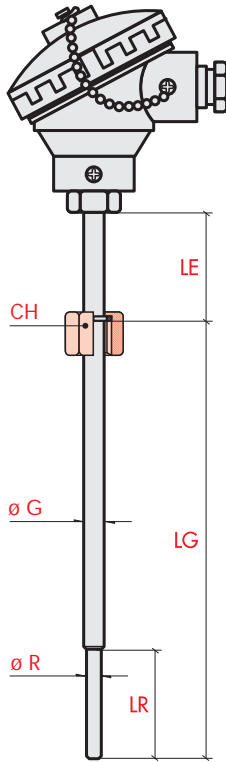




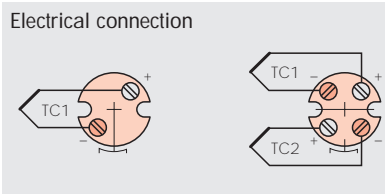
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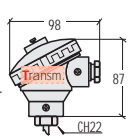

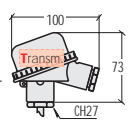

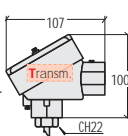
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## Sensors for medium pressures with replaceable insertion



**G4** Straight/tapered thermocouple, 10 and 13.5mm o.d. with connection head and female rotating attaching device



Connection head	Diameter* ø G mm	Base code	Thermocouple type	Element N° and limits	Hot junction	Sheath material	Sheath LG mm	Tapering øR x LR mm	Type of thread	Extension LE mm
Standard IP67, optional transmitter ** 	10	G4 S10	L Fe - CuNi DIN/500°C max	0 Single Cl. 2 (standard)	0 	B AISI 316	0150	6 D8 x 60 for ø 10	I 1/2" Gas - L15 CH - 24	02 20
	13.5	G4 S13								
	10 + T	G4 T10								
	13.5 + T	G4 T13								
Nylon IP65, optional transmitter ** 	10	G4 N10	K NiCr - Ni DIN-IEC/800°C max	1 Dual Cl. 2 (standard) 2 Single Cl. 1 (special) 3 Dual Cl. 2 (special)	1 		0200	7 D10 x 60 for ø 13.5	H 3/8" Gas - L17 CH - 19	05 50
	13.5	G4 N13								
	10 + T	G4 Y10								
	13.5 + T	G4 Y13								
EEx d IIB IP65, optional transmitter ** 	10	G4 X10					0250			08 80
	13.5	G4 X13								
	10 + T	G4 U10								
	13.5 + T	G4 U13								
							0300			10 100
							0350			
							0400			
							0450			
							0500			
							L min 0100			

Note:  
\* Insertion ø 6  
\*\* Transmitter for single element only

Note: other lengths on request for LG and LE. Code ex.: LG = 135mm Code 0135 / LE = 60mm Code 06

### Reference model:

Straight/tapered thermocouple, standard head, 10mm sheath o.d., Fe-CuNi DIN, class 2 single element, ungrounded el. plain end, AISI 316 sheath, 150mm length, 8x60mm tapering, 1/2" Gas female attaching device, 20mm extension, with replaceable insertion.

**G4 S10 - L 0 0 - B 0150 . 6 - I 02**

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