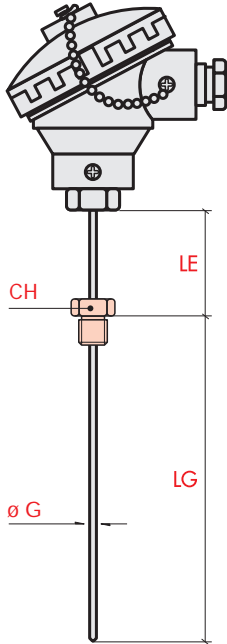
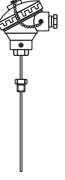


General purpose Mgo sensors with connection head



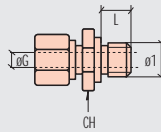
Connections



Mounting Fittings

(for models without fixed attaching device only)

Suggested adjustable compression fittings



Material	ø1	L	CH	øG	Model
AISI 316	1/8" G	10.5	12	2	Z1 RFS-B/EO20
	1/8" NPT	10.5	12	2	Z1 RFS-B/MO20
	1/8" G	10.5	12	3	Z1 RFS-B/EO30
	1/8" NPT	10.5	12	3	Z1 RFS-B/MO30
	1/8" G	10.5	12	4.5	Z1 RFS-B/EO45
	1/8" NPT	10.5	12	4.5	Z1 RFS-B/MO45

Q1 Straight thermocouple,
o.d. from 2 to 4.5mm,
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			
Cylindric IP54 	2	Q1 C20	L Fe - CuNi DIN/600°C max	0 Single Cl. 2 (standard)	0 	A AISI 321	0100	S None	00 None			
	3	Q1 C30										
Miniature IP67 	4.5	Q1 C45	J Fe - CuNi IEC/600°C max	1 Dual Cl. 2 (standard)	1 	C Inconel 600 (K and N only)	0150	D M10 x 1.5 x L13 CH - 14	05 50 *			
	2	Q1 M20	U Cu - CuNi DIN/-200 +300°C	2 Single Cl. 1 (special)	2 					0200	ET 1/8" Gas - L12 CH - 14	08 80 *
	3	Q1 M30	T Cu - CuNi IEC/-200 +300°C	3 *Dual Cl. 2 (special)						0250	F 1/4" Gas - L13 CH - 17	
Standard IP67, optional Transmitter 	4.5	Q1 M45	K NiCr - Ni DIN -IEC/1050°C max		2 	0300	M 1/8" NPT - L10 CH - 14					
	3	Q1 S30	ET NiCr - CuNi DIN -IEC/700°C max			0350	N 1/4" NPT - L13 CH - 17					
	4.5	Q1 S45	N NiCrSi - NiSiMg DIN -IEC/1050°C max			0400						
EEx d IIB IP65, optional Transmitter 	3 + T	Q1 T30				0450						
	4.5 + T	Q1 T45				0500						
	3	Q1 X30										
	4.5	Q1 X45										
	3 + T	Q1 U30										
	4.5 + T	Q1 U45										
						L min 0050			* ø4,5 only			

Note: * Transmitter for single element only

Note: other lengths on request for LG and LE.

Code ex.: LG = 135mm cod. 0135 / LE = 60mm cod. 06

Reference model :

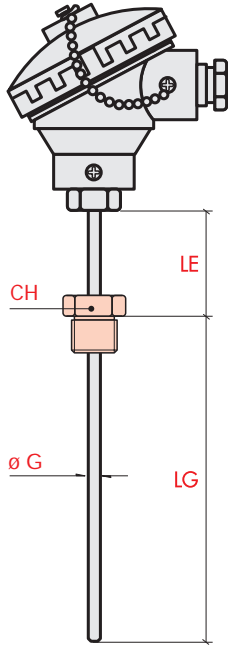
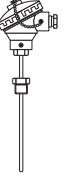
Straight MgO thermocouple, standard head, 4.5 sheath o.d., Fe-CuNi DIN, class 2 single element, ungrounded junction, AISI321 sheath, 100mm length, no attaching device and no extension.

Q1 S45 - L 0 0 - A 0100 - S 00

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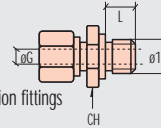
General purpose Mgo sensors with connection head



Connections



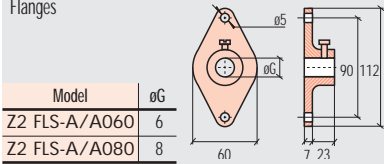
Mounting Fittings (for models without fixed attaching device only)



Suggested adjustable compression fittings

Material	ø1	L	CH	øG	Model
AISI 316	1/4"G	12	17	6	Z1 RFS-B/F060
	1/2"G	14	24	6	Z1 RFS-B/I060
	1/4"G	12	17	8	Z1 RFS-B/F080
	1/2"G	14	24	8	Z1 RFS-B/I080
Treated brass	1/4"G	12	17	6	Z1 RFS-O/F060
	1/2"G	14	24	6	Z1 RFS-O/I060
	1/4"G	12	17	8	Z1 RFS-O/F080
	1/2"G	14	24	8	Z1 RFS-O/I080

Flanges



Model	øG
Z2 FLS-A/A060	6
Z2 FLS-A/A080	8

Q1 Straight thermocouple,
o.d. from 6 to 8mm,
optional fixed
attaching dev

Connection head	Diameter øG mm	Base code	Thermocouple type	Element N° and limits	Hot junction	Sheath material	Sheath LG mm	Type of thread	Extension LE mm		
Cylindric IP54 	6	Q1 C60	L Fe - CuNi DIN/600°C max	0 Single Cl. 2 (standard)	0 Insulated 	A AISI 321	0100	S None	00 None		
	8	Q1 C80									
Miniature IP67 	6	Q1 M60	J Fe - CuNi IEC/600°C max	1 Dual Cl. 2 (standard)	1 Grounded 	C Inconel 600 (K and N only)	0150	D M10 x 1.5 x L13 CH - 14 (ø6 only)	05 50		
	8	Q1 M80	U Cu - CuNi DIN/-200 +300°C	2 Single Cl. 1 (special)	2 Exposed 					0200	ET 1/8" Gas - L12 CH - 14 (ø6 only)
Standard IP67, optional Transmitter 	6	Q1 S60	T Cu - CuNi IEC/-200 +300°C	3 Dual Cl. 2 (special)	2 Exposed 						
	8	Q1 S80	K NiCr - Ni DIN- IEC/1050°C max							0300	H 3/8" Gas - L15 CH - 22
	6 + T	Q1 T60	ET NiCr - CuNi DIN- IEC/700°C max							0350	I 1/2" Gas - L15 CH - 24
	8 + T	Q1 T80	N NiCrSi - NiSiMg DIN- IEC/1050°C max							0400	M 1/8" NPT - L10 CH - 14 (ø6 only)
EEx d IIB IP65, optional Transmitter 	6	Q1 X60									
	8	Q1 X80								0450	N 1/4" NPT - L13 CH - 17
	6 + T	Q1 U60								0500	P 3/8" NPT - L15 CH - 22
	8 + T	Q1 U80									Q 1/2" NPT - L15 CH - 24
						L min 0050					

Note: * Transmitter for single element only

Note: other lengths on request for LG and LE.

Code ex.: LG = 135mm cod. 0135 / LE = 60mm cod. 06

Reference model: :

Straight MgO thermocouple, standard head, 6mm sheath o.d., Fe-CuNi DIN, class 2 single element, ungrounded junction, AISI321 sheath, 100mm length, no attaching device and no extension.

Q1 S60 - L 0 0 - A 0100 - S 00

□ - □ □ □ - □ □ □ - □ □ □

