



**Connections**

Single element: 2/3-wires (White A, Red B), 4-wire (White A, Red B, Red B, Red B)

Dual element: 4/6-wires (White A1, White A2, Red B1, Red B1, Red B2, Red B2)

**Mounting Fittings**

Bayonet assemblies sizes: O83, O62, O53

Material	ø1	L	CH	øG	Model
AISI 316	1/4" Gas	12	17	8.3	Z1-RFB-B/F083
	3/8" Gas	12	17	8.3	Z1-RFB-B/H083
Treated brass	1/4" Gas	12	17	8.3	Z1-RFB-O/F083
	3/8" Gas	12	17	8.3	Z1-RFB-O/H083
	12 x 1.5	12	17	8.3	Z1-RFB-O/G083
	14 x 1.5	12	17	8.3	Z1-RFB-O/K083
Material	ø1	L <td>CH <td>øG <td>Model</td> </td></td>	CH <td>øG <td>Model</td> </td>	øG <td>Model</td>	Model
Treated brass	10 x 1.0	10	13	6.2	Z1-RFB-O/R062
Material	ø1	L <td>CH <td>øG <td>Model</td> </td></td>	CH <td>øG <td>Model</td> </td>	øG <td>Model</td>	Model
Treated brass	8 x 1	8.5	10	5.2	Z1-RFB-O/C053
	10 x 1.5	8.5	10	5.2	Z1-RFB-O/D053
	1/8" Gas	8.5	12	5.2	Z1-RFB-O/E053

**B1** Plastics/rubber RTD with bayonet lock from 5 up to 8 diam., connection wire and adjustable bayonet assembly

Type of wire	Diam. øG mm	Base code	Value in [ohm] at 0°C	Element N° and limits	Type of RTD	Sheath material	Sheath LG mm	Type of thread	LM spring leng. mm	Lc wire length m	Type of termination
Tinned EEs: 300°C max	5	B1 A50	P Pt100 DIN - IEC	0 3-wire single el. Cl. B (1 DIN)	O Ceramic 750 °C max	B AISI 316	0020	F 1/4" Gas - L12 CH - 17	0 180	10 1	P
St.St. EEs 350°C max	5	B1 B50									
Ts T 220°C max	5	B1 G50	X Pt500 DIN - IEC	1 3-wire single el. Cl. A (1/2 DIN)	1 Thin film 250 °C max		0030	C M8 x 1 - L8.5 CH - 10 (ø5 only)	3 300	05 0.5	S
Tinned EEs: 300°C max	6	B1 A60	Y Pt1000 DIN - IEC	2 3-wire single el. 1/3 DIN			0050	D M10 x 1.5 - L10 CH - 14 (ø5 only)		15 1.5	S Insul. and tinned leads
St.St. EEs 350°C max		B1 B60									
Ts T 220°C max	6	B1 G60		4 4-wire single el. 1/3 DIN				G M12 x 1.5 - L12 CH - 17		25 2.5	D
EEs / sp zinc pl. 300°C max	6	B1 L60		5 *4-wire dual Cl. B (1 DIN)				K M14 x 1.5 - L12 CH - 17		30 3	D
EEs / sp - St.St. - 350°C max	6	B1 M60		6 *6-wire dual el. Cl. B (1 DIN)				H 3/8" Gas - L15 CH - 22		35 3.5	G
Tinned EEs: 300°C max	8	B1 A80		7 *6-wire dual el. Cl. A (1/2 DIN)				U M10 x 1 - L10 CH - 13 (ø6 only)		40 4	G
St.St. EEs 350°C max		B1 B80		8 *6-wire dual el. 1/3 DIN				S Without		45 4.5	J
Ts T 220°C max	8	B1 G80								50 5	J
EEs / sp zinc pl. 300°C max	8	B1 L80								50 5	R
EEs / sp - St.St. - 350°C max	8	B1 M80		* ø8 only			L min 0015			00 10	R

Note: other lengths on request for LG and Lc. Code ex.: LG = 135mm Code 0135 / Lc = 7m Code 70

Reference model:

Spring-loaded RTD with tinned EEs wire, 8 diam. sheath, 3-wire Pt100 single elem., class B (1 DIN), ceramic element, AISI 316 sheath, 20mm length, 1/4" Gas mounting fitting, 180mm spring, 1m connection wire and ø 1.8 terminals.

**B1 A80 - P 0 0 - B 0020 - F 0 - 10 P**

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