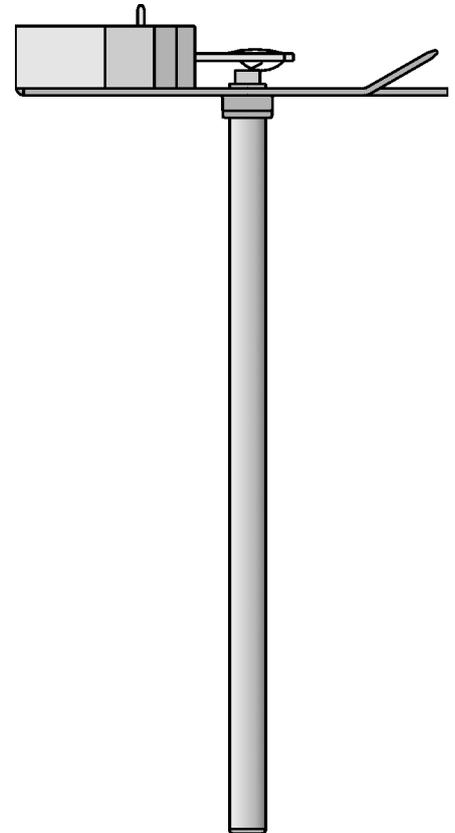# Push-in resistance thermometers with mounting plate

■ **for temperatures from -50 to 550°C**
■ **IP54 protection in the protection tube area**
■ **stainless steel protection tube**
■ **connection via fast-on blades**
■ **for use in baking ovens**

Push-in resistance thermometers are used for measuring temperatures in gaseous media (air).
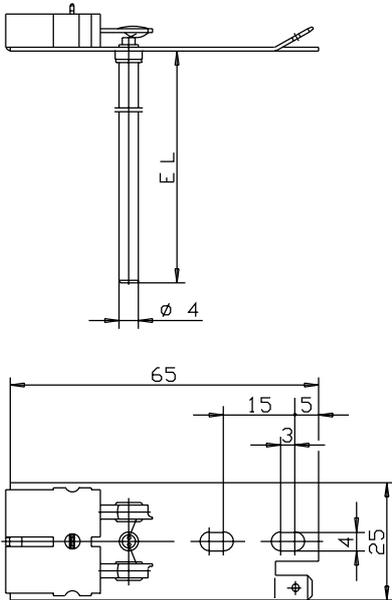The unit is fixed by means of a mounting plate. The cable or earth connection is by fast-on blade contacts.
The measuring insert can be fitted with Pt100, Pt500 or Pt1000 temperature sensors to EN 60 751, Class B in 2-wire circuit.

Technical data

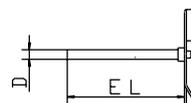|	
Connection	fast-on blades to DIN 46 244 — A6.3 x 0.8
Process connection	mounting plate, galvanized steel
Protection tube	stainless steel 1.4571, 4mm dia.
Measuring insert	Pt100 temperature sensor, EN 60 751, Cl. B, 2-wire circuit
Protection	IP54 in the protection tube area
Response times	$t_{0.9}$ = approx. 40sec, in air with 3m/sec, 4mm dia.
Vibration strength	10g at 50Hz
Electrical data	insulation voltage 250V DC insulation resistance > 100MΩ

Dimensions

Type 902104/50

Order details: Push-in resistance thermometers with mounting plate

(1) Basic version

902104/50	Push-in resistance thermometer with mounting plate for fixing in ovens

		(2) Operating temperature in °C
x	412	-50 to +550°C
		(3) Measuring insert
x	1003	1 x Pt100 in 2-wire circuit
x	1004	1 x Pt500 in 2-wire circuit
x	1005	1 x Pt1000 in 2-wire circuit
		(4) Tolerance class to EN 60 751
x	1	Class B (standard)
		(5) Protection tube diameter D in mm
x	4	4mm
		(6) Fitting length EL in mm
x	50	50mm
x	100	100mm
x	150	150mm

	(1)	(2)	(3)	(4)	(5)	(6)
Order code		-	-	-	-	-
Order example	902104/50	- 858	- 1004	- 1	- 4	- 100