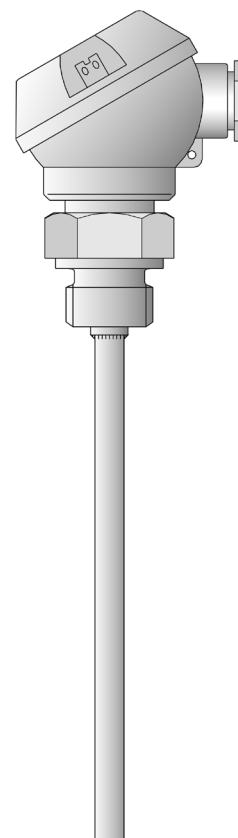


## Screw-in thermocouples with terminal head Form J

- for temperatures from -200 to +600°C
- as single or twin thermocouple
- insulated or joined to protection tube

Screw-in thermocouples are preferred for measuring temperatures in liquids and gases. An important selection criterion is their reliable sealing against both negative and positive pressures. Applications include heating installations, ovens, furnaces and plant engineering.

The measuring insert is normally fitted with thermocouples to EN 60 584 or DIN 43 710. Versions with two thermocouples are also available.



### Technical data

#### Terminal head

Form J, aluminium die-casting, Pg9, IP54, ambient temperature -20 to +100°C  
thread, stainless steel 1.4571

#### Process connection

stainless steel 1.4571, 6mm and 7mm dia.

#### Protection tube

#### Measuring insert

insulated assembly:

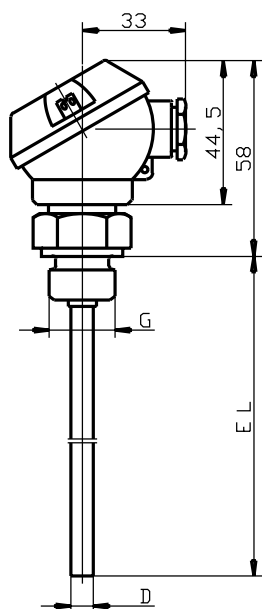
1 x Fe-Con L, DIN 43 710, Cl. 2, operating temperature -200 to +600°C

1 x NiCr-Ni K, EN 60 584, Cl. 2, operating temperature -200 to +600°C

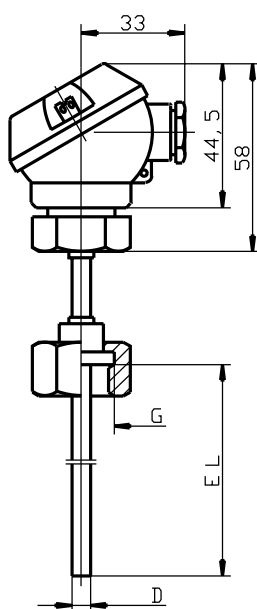
#### Accessories

pocket, see Data Sheet 90.9721

## Dimensions



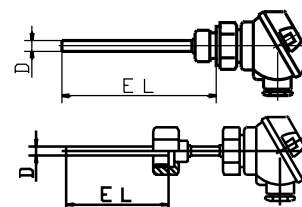
Type 901003/10



Type 901003/20

## Order details: Screw-in thermocouples with terminal head Form J

(1) Basic version		
901003/10		Screw-in thermocouple with continuous protection tube
901003/20		Screw-in thermocouple with continuous protection tube and union nut
(2) Operating temperature in °C		
x	x	130 -200 to +400°C
x	x	150 -200 to +600°C
(3) Measuring insert		
x	x	1042 1 x Fe-Con L
x	x	1043 1 x NiCr-Ni K
x	x	2042 2 x Fe-Con L
x	x	2043 2 x NiCr-Ni K
(4) Protection tube diameter D in mm		
	x	6 6mm
	x	7 7mm
(5) Fitting length EL in mm (50≤ EL ≤600, EL ≥150 for Type 901003/20)		
x		50 50mm
x		75 75mm
x		100 100mm
x	x	150 150mm
x	x	250 250mm
x	x	... please specify in plain text (50mm steps)
(6) Process connection		
x		102 thread 1/4" pipe
x		103 thread 3/8" pipe
x		104 thread 1/2" pipe
	x	164 union nut 1/2" pipe
	x	165 union nut 3/4" pipe



Order code  -  -  -  -  -

Order example 901003/10 - 130 - 1042 - 7 - 100 - 104

Note: pocket, see Data Sheet 90.9721

## Stock versions:

(1)	(2)	(3)	(4)	(5)	(6)	Sales No.
901003/10	130	1042	7	50	104	90/00055436
901003/10	150	1042	7	100	104	90/00055437
901003/10	150	1042	7	150	104	90/00055438