

## TERMOELEMENTTI KORKEILLE LÄMPÖILOILLE

TC80

TC80-14363623

Tyyppi S 0-1600°C L=710x24mm ASZ version AK



- Sovelluksiin joissa on lämpötila max. 1700°C
- Tyyppi K, N, J, S, R tai B
- Suojatasku lämmönkestävästä metallista tai keraamisesta materiaalista
- Kaasutiivis prosessiliitäntä, kierre tai laippa
- Optiona: Lähetin 4-20mA+Hart ulostulolla

### TUOTEKUVAUS

Nämä korkean lämpötilan termoparit täyttävät DIN EN 50 446 vaatimukset. Suojataskuun kiinnitettävän termoparin johtimet viedään joko keraamisen eristysputken kapillaariaukkoihin tai eristystangon kapillaariaukkoihin. Kuumankestävästä metalliseoksesta tai kuumankestävästä keramiikasta valmistettu suojatasku, joka voi olla varustettu ylimääräisellä sisäputkella tai ilman sitä, suojaa termoparia prosessiaineelta sekä mekaanisilta ja kemiallisilta vaurioilta.

### TEKNISET TIEDOT

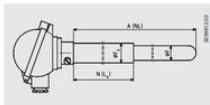
<b>Aineen kanssa kosketuksissa olevien osien materiaali</b>	Keraaminen
<b>Asennussyvyys</b>	710 mm
<b>IP-luokka</b>	IP53
<b>Kaapelin pituus</b>	770 mm
<b>Max. käyttölämpötila</b>	1600 °C
<b>Min. käyttölämpötila</b>	0 °C
<b>Pistokkeen halkaisija</b>	24 mm
<b>Rungon materiaali</b>	Alumiini

#### Version AKK per DIN EN 50446

- Connection head form A
- Ceramic protection tube
- Metallic support tube
- Ceramic inner tube

Dimensions for versions with protection tube  $\varnothing > 24$  mm

A Nominal length 500, 710, 1,000 or 1,400  
 QF Protection tube outer  $\varnothing$  24, 26 (SIC, C 530)  
 N Support tube length 200 (standard)  
 QF<sub>s</sub> Support tube  $\varnothing$  32



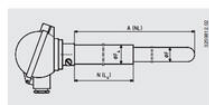
#### Version AK per DIN EN 50446

- Connection head form A
- Ceramic protection tube
- Metallic support tube

Dimensions for versions with protection tube  $\varnothing > 24$  mm

A Nominal length 500, 710, 1,000, 1,400, 2,000<sup>1)</sup>  
 QF Protection tube outer  $\varnothing$  24, 26 (SIC, C 530)  
 N Support tube length 200 (standard)  
 QF<sub>s</sub> Support tube  $\varnothing$  32

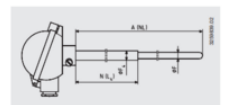
<sup>1)</sup> These nominal lengths (and greater lengths) with rounded precision metal ferrules are not suitable for installation at right angles.



#### Version BK per DIN EN 50446

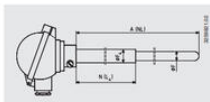
- Connection head form B
- Ceramic protection tube
- Metallic support tube

A Nominal length 355, 500, 710, 1,000  
 QF Protection tube outer  $\varnothing$  10  
 N Support tube length 80  
 QF<sub>s</sub> Support tube  $\varnothing$  15



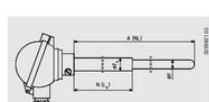
Dimensions for versions with protection tube  $\varnothing < 24$  mm

A Nominal length 500, 710, 1,000 or 1,400  
 QF Protection tube outer  $\varnothing$  15, 16 (C 610)  
 N Support tube length 150  
 QF<sub>s</sub> Support tube  $\varnothing$  22



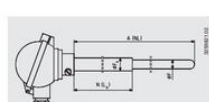
Dimensions for versions with protection tube  $\varnothing < 24$  mm

A Nominal length 500, 710, 1,000 or 1,400  
 QF Protection tube outer  $\varnothing$  15, 16 (C 610)  
 N Support tube length 150 (standard)  
 QF<sub>s</sub> Support tube  $\varnothing$  22



Dimensions for versions with protection tube  $\varnothing < 24$  mm

A Nominal length 500, 710, 1,000 or 1,400  
 QF Protection tube outer  $\varnothing$  15, 16 (C 610)  
 N Support tube length 150 (standard)  
 QF<sub>s</sub> Support tube  $\varnothing$  22

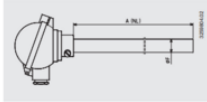


**Version AM / AMK per DIN EN 50446**

- Connection head form A
- Metal protection tube
- Ceramic inner tube (AMK)

A Nominal length 500, 710, 1.000, 1.400, 2.000<sup>1)</sup>  
 OF Protection tube outer Ø 22 (24, 26)

<sup>1)</sup> These nominal lengths (and greater lengths) with optional precision metal thermocouples are not suitable for installation at right angles.

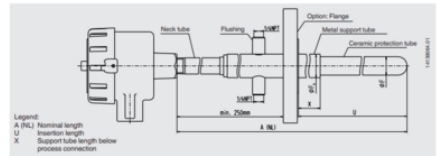
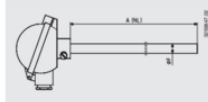


**Version BM / BMK per DIN EN 50446**

- Connection head form B
- Metal protection tube
- Ceramic inner tube (BMK)

A Nominal length 355, 500, 710, 1.000, 1.400<sup>1)</sup>  
 OF Protection tube outer Ø 15

<sup>2)</sup> Only version BM



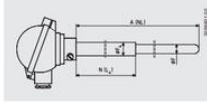
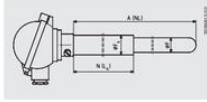
Legend:  
 A (INL) Nominal length  
 U Insertion length  
 X Support tube length below process connection

**Version AKK per DIN EN 50446**

- Connection head form A
- Ceramic protection tube
- Metallic support tube
- Ceramic inner tube

Dimensions for versions with protection tube Ø ≥ 24 mm  
 A Nominal length 500, 710, 1.000 or 1.400  
 OF Protection tube outer Ø 24, 26 (SIC, C 530)  
 N Support tube length 200 (standard)  
 OFs Support tube Ø 32

Dimensions for versions with protection tube Ø < 24 mm  
 A Nominal length 500, 710, 1.000 or 1.400  
 OF Protection tube outer Ø 15, 16 (C 610)  
 N Support tube length 150  
 OFs Support tube Ø 22



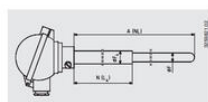
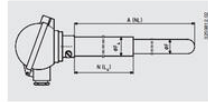
**Version AK per DIN EN 50446**

- Connection head form A
- Ceramic protection tube
- Metallic support tube

Dimensions for versions with protection tube Ø ≥ 24 mm  
 A Nominal length 500, 710, 1.000, 1.400, 2.000<sup>1)</sup>  
 OF Protection tube outer Ø 24, 26 (SIC, C 530)  
 N Support tube length 200 (standard)  
 OFs Support tube Ø 32

<sup>1)</sup> These nominal lengths (and greater lengths) with optional precision metal thermocouples are not suitable for installation at right angles.

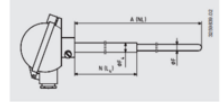
Dimensions for versions with protection tube Ø < 24 mm  
 A Nominal length 500, 710, 1.000 or 1.400  
 OF Protection tube outer Ø 15, 16 (C 610)  
 N Support tube length 150 (standard)  
 OFs Support tube Ø 22



**Version BK per DIN EN 50446**

- Connection head form B
- Ceramic protection tube
- Metallic support tube

A Nominal length 355, 500, 710, 1.000  
 OF Protection tube outer Ø 10  
 N Support tube length 80  
 OFs Support tube Ø 15

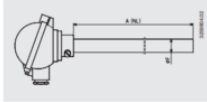


**Version AM / AMK per DIN EN 50446**

- Connection head form A
- Metal protection tube
- Ceramic inner tube (AMK)

A Nominal length 500, 710, 1.000, 1.400, 2.000<sup>1)</sup>  
 OF Protection tube outer Ø 22 (24, 26)

<sup>1)</sup> These nominal lengths (and greater lengths) with optional precision metal thermocouples are not suitable for installation at right angles.

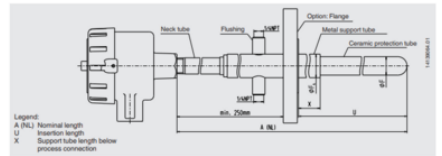
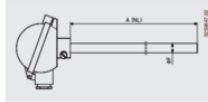


**Version BM / BMK per DIN EN 50446**

- Connection head form B
- Metal protection tube
- Ceramic inner tube (BMK)

A Nominal length 355, 500, 710, 1.000, 1.400<sup>1)</sup>  
 OF Protection tube outer Ø 15

<sup>2)</sup> Only version BM



Legend:  
 A (INL) Nominal length  
 U Insertion length  
 X Support tube length below process connection