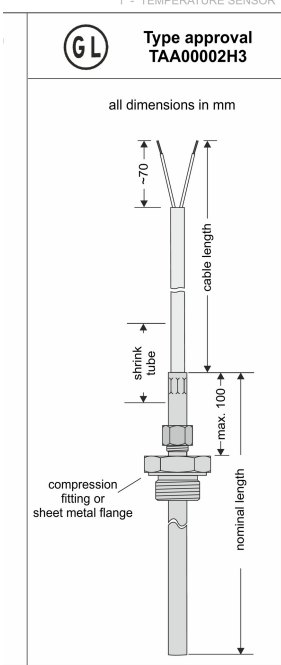


THERMOCOUPLE CABLE PROBE, GL



- GL TAA00002H3
- TYPE J AND TYPE K
- UP TO +1000 °C
- MAX. 200 MM LENGTH
- IP 65



KEY DATA

Property	Value	Property	Value
Type approval	GL TAA00002H3	Operating range	type J -200 ... +700 °C
Sensing element	thermocouple type J or type K		type K -200 ... +1000 °C
Sheath	1.4571 (316Ti)	Cable decodes	-5 ... +550 °C by type
Ø sheath	4 · 5 · 6 mm	Protection	IP 65 up to 250 °C
Nominal length	30 ... 70 mm, max. 200 mm	Product code	KT

Thermocouple cable probe in the version with GL type approval. Compared to TCMA it is limited to 200 mm and its cable to 6 m. The operating range is set by the cable: PVC ends at 70 °C.



TECHNICAL DATA

SENSING ELEMENT

Thermocouple	type J (Fe-CuNi) · type K (NiCr-Ni)
Accuracy	according to DIN EN 60584-2 class 1
Type J	±1.5 °C (-40 ... 375 °C) ±0.004 t (375 ... 750 °C)
Type K	±1.5 °C (-40 ... 375 °C) ±0.004 t (375 ... 1000 °C)
Insulator	none

SHEATH AND LENGTH

Material	1.4571 (316Ti)
Ø sheath	4 · 5 · 6 mm
Wall thickness	0.25 ... 1 mm
Connection	open ends 70 mm
Transition to cable	hexagonal crimp · option ring crimp
Strain relief	heat-shrink sleeve · option spring
Nominal length	30 (Ø4) · 50 (Ø5) · 46 (Ø6) · 70 mm (Ø6)
Maximum length	200 mm
Cable length	standard 2 m · max. 6 m

CONNECTING CABLE

Connecting cable	PVC-PVC · PTFE-silicone · PTFE-PTFE · PTFE-braided screen-PTFE · glass silk-glass silk-braided screen
Cable length	standard 2 m · option on request
Protection	IP 65 (up to 250 °C) (1)
Insulation resistance	test voltage 500 VDC

TEMPERATURE AND RESPONSE

Thermocouple type J	-200 ... +700 °C
Thermocouple type K	-200 ... +1000 °C
Sheath 1.4571	up to 600 °C
Response 6x0.5 mm	t90 30.9 s · t50 12 s
Response 6x1 mm	t90 22.1 s · t50 7.6 s
Cable PVC	-5 ... +70 °C
Cable silicone	-45 ... +180 °C
Cable PTFE	-75 ... +250 °C
Cable glass silk	-60 ... +550 °C

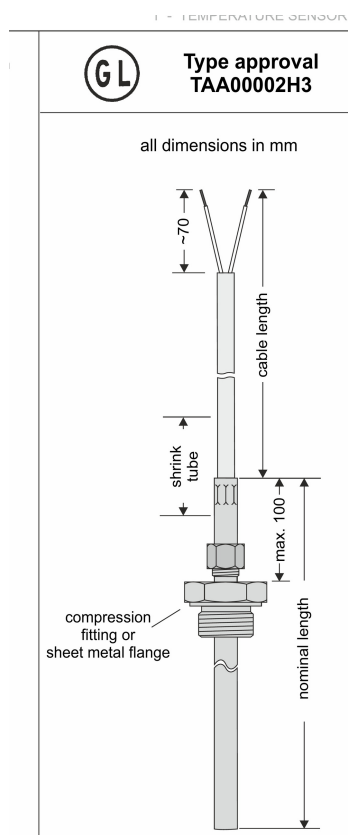
(1) IP 65 does not apply to the braided-screen version.

CONNECTION

Cable with open ends, 70 mm; the transition to the cable is a hexagonal crimp, optionally a ring crimp.



DIMENSIONS



CONFORMITY

Type approval	GL TAA00002H3
Accuracy standard	DIN EN 60584-2 class 1 — it governs the tolerance of the sensing element, it is not a product approval
Protection	IP 65 up to 250 °C, not for the braided-screen version

ORDER INFORMATION

Accessories

- Accessories: compression fitting and sheet metal flange.

ORDER KEY

Field	Value	Meaning
Product code	KT	stands at the beginning of every order code
Type of thermocouple	4 ... 7	1× type J · 1× type K · 2× type J · 2× type K (2)
Sheath material	0	1.4571 (316Ti)
Ø sheath	0 ... 2	4 · 5 · 6 mm
Nominal length	0 ... 5	30 (Ø4) · 46 (Ø6) · 50 (Ø4) · 50 (Ø5) · 70 mm (Ø6) · other, max. 200 mm
Connecting cable	0 ... 4	PVC · PTFE-silicone · PTFE · PTFE braided · glass silk
Connection	0 ... 3	open ends 70 mm · TC plug standard · mini · other length
Cable length	0 · 1	2 m · other length, max. 6 m
Cable protection	0 · 1	heat-shrink · spring
Used temperature range	—	to be stated by the purchaser, in °C

The order code is formed from the product code and the fields of the key.

(2) Both versions carry the product code KT; they are told apart by this field alone: 0 ... 3 is TCMA, 4 ... 7 is TCMB.

