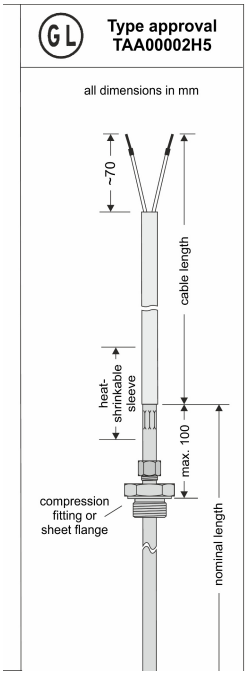
RTD CABLE PROBE, GL



- GL TAA00002H5
- PT100 AND PT1000
- -200 ... +450 °C
- Ø 6 MM ONLY
- MAX. 200 MM LENGTH

IP65

Stainless Steel

KEY DATA

Property	Value	Property	Value
Type approval	GL TAA00002H5	Operating range	-200 ... +450 °C
Sensing element	Pt100 or Pt1000, 1× or 2×	Sheath	1.4571 (316Ti)
Circuit	2-, 3- or 4-wire	Ø sheath	6 mm (2)
Accuracy	class A to B1/10DIN	Cable decides	-5 ... +550 °C by type
Nominal length	46 or 70 mm, max. 200 mm	Product code	KW

Resistance thermometer cable probe in the version with GL type approval. Compared to TCMC it comes in Ø 6 mm ONLY and in two lengths. The operating range is set by the cable: PVC ends at 70 °C.

TECHNICAL DATA

SENSING ELEMENT

Sensor element	Pt100 · Pt1000 · 2× Pt100 · 2× Pt1000
Circuit	2-wire · 3-wire · 4-wire
Accuracy	class A · class B · B1/2DIN ·
	B1/3DIN · B1/10DIN
Operating range sensor	-200 … +450 °C
Insulator	none

SHEATH AND LENGTH

Material	1.4571 (316Ti)
Ø sheath	6 mm
Nominal length	46 or 70 mm (Ø 6)
Maximum length	200 mm
Connection	open ends 70 mm, wire end ferrule
Transition to cable	hexagonal crimp · option ring crimp
Strain relief	heat-shrink sleeve · option spring
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, max. 6 m
Protection	IP 65 (up to 250 °C) (1)
Insulation resistance	test voltage 500 VDC

TEMPERATURE AND RESPONSE

Sensor	-200 … +450 °C
Sheath 1.4571	up to 600 °C
Response 6×0.5 mm	t90 30 s · t50 6 s
Cable PVC	-5 … +70 °C
Cable silicone	-45 … +180 °C
Cable PTFE	-75 … +205 °C
Cable glass silk	-60 … +550 °C

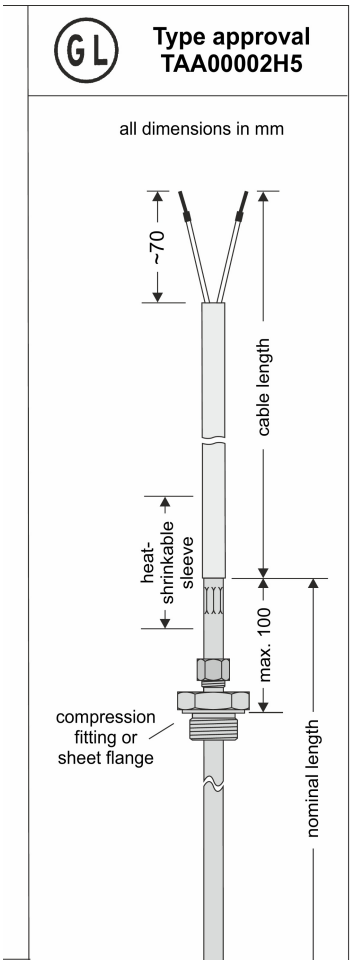
(1) IP 65 does not apply to the braided-screen version.
(2) The GL version comes in Ø 6 mm only and in two nominal lengths.

CONNECTION

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

Wire colours to DIN 60751: 2-wire red · white · 3-wire red · red · white · 4-wire red · red · white · white.

DIMENSIONS


GL
Type approval
TAA00002H5
all dimensions in mm
~70
cable length
heat-
shrinkable
sleeve
max. 100
compression
fitting or
sheet flange
nominal length

CONFORMITY

Type approval	GL TAA00002H5
Accuracy classes	Class A to B1/10DIN
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	KW	stands at the beginning of every order code
Sensor element	4 … 7	1× Pt100 · 1× Pt1000 · 2× Pt100 · 2× Pt1000 (3)
Type of sensor	0 … 2	2-wire · 3-wire · 4-wire
Accuracy	0 … 4	class A · class B · B1/2DIN · B1/3DIN · B1/10DIN
Sheath material	0	1.4571 (316Ti)
Ø sheath	2	6 mm — the only digit
Nominal length	1, 4, 5	46 mm (Ø6) · 70 mm (Ø6) · other, max. 200 mm
Connecting cable	0 … 4	PVC · PTFE-silicone · PTFE · PTFE braided · glass silk
Connection	0 · 1	open ends 70 mm · 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.

(3) Both versions carry the product code KW; they are told apart by this field alone: 0 … 3 is TCMC, 4 … 7 is TCMD.