

FROST GUARD SENSOR TEV NI 1000-LG (=SIEMENS QAE 21.93PD)

TEV Ni1000-LG temperature sensor is designed for automatic HVAC systems for monitoring air-heating radiators against frost.

Temperature is detected by a LG Ni1000 element with a nominal resistance of 1000 ohm / 0°C.

Sensor stem is made of stainless steel for prolonged life.

Sensor is installed to the radiator by means of a joint with R1/4" thread. Mounting depth can be adjusted to max. 210 mm.

Time constant of the sensor is about 2,5 seconds.

ATTENTION !!!

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Technical data:

Sensor	NI 1000-LG
Mounting	R 1/4" thread
Stem	4 mm x 245 mm
Connecting cord	Ø 2,8 mm x 2 m
Range	-50...120 °C
Accuracy	± 0.5 °C (at 0 °C)
Time constant	about 2,5 s
Pressure rating	PN 16

Temperature / resistance – table:

LT °C	NI 1000-LG	LT °C	NI 1000-LG
120	1616,4	25	1114,0
100	1500,0	20	1090,7
90	1444,4	15	1067,6
80	1390,1	10	1044,8
75	1363,5	5	1022,3
70	1337,1	0	1000,0
65	1311,1	-5	978,0
60	1285,4	-10	956,2
55	1260,1	-15	934,7
50	1235,0	-20	913,5
45	1210,2	-25	892,5
40	1185,7	-30	871,7
35	1161,5	-40	830,8
30	1137,6	-50	790,9

Ordering guide:

Model	Product number	Description
TEV Ni1000-LG	1178020	frost guard sensor, 1000 ohm 0°C
TEV Ni1000-LG-400	1178021	frost guard sensor, 1000 ohm 0°C, length 400 mm

Products fulfil the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

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