

Technical brochure

Temperature sensor type EKS 211



The sensor can be used for measuring air temperatures in the following areas:

- Refrigeration
- Air conditioning
- Heating

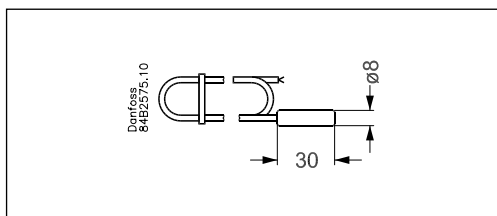
NTC characteristic matches controllers type EKC and CC.

The sensor may not be used for food safety logs and regulation of superheat.

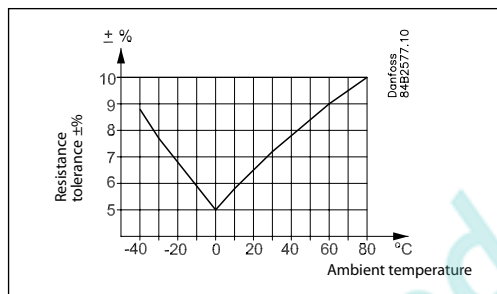
Temperature sensor type EKS 211

Technical data

Nominal resistance	5000 ohm at 25°C	
Temperature range	-40 to 80°C	
Cable material	PVC, 2 × 0.22 mm ²	
Sensor housing	PBT (Thermo-Plastic Polyester)	
Time constant	Water	25 seconds
	Air	80 seconds
Density	IP 67	



Tolerance



R _{nom} Ohm	Temp. °C	Temp. °F
631.0	80	176
743.2	75	167
878.9	70	158
1044	65	149
1247	60	140
1495	55	131
1803	50	122
2186	45	113
2665	40	104
3266	35	95
4029	30	86
5000	25	77
6246	20	68
7855	15	59
9951	10	50
12696	5	41
16330	0	32
21166	-5	23
27681	-10	14
36503	-15	5
48614	-20	-4
65333	-25	-13
88766	-30	-22
121795	-35	-31
169157	-40	-40

Ordering Industrial Packs

Type	Sensor element		Cable	Number	Code no.
EKS 211	NTC	5000 ohm / 25°C	1.5 m	300	084B4403
			3.5 m	150	084B4404

Ordering Single Packs

Type	Sensor element		Cable	Number	Code no.
EKS 211	NTC	5000 ohm / 25°C	1.5 m	1	084N1220
			3.5 m	1	084N1221