

Temperature sensor AKS 12

Introduction and application



The sensor is based on a PT element with a resistance of 1000 ohm at 0°C.

The sensor can be used for temperature monitoring in conjunction with EKC 200 and EKC 300 series in the following areas:

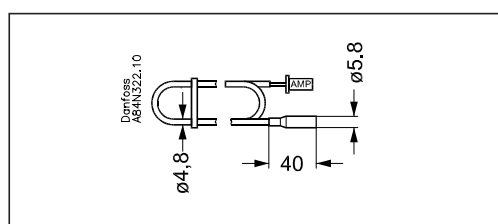
- Refrigeration
- Air conditioning
- Heating

The sensor comes adjusted and complies with the requirements to tolerance in EN 60751, class B.

Technical data

Nominal resistance	1000 ohm at 0°C
Measuring accuracy	Class B
Temperature range	-40 to 100°C
Cable material	PVC 2 x 0.22 mm ²
Sensor tube	18/8 stainless steel
Time constant	15 seconds
Enclosure	IP 67
AMP Plug	AMP ital mod 2, housing 280 358 crimp contact 280 708-2

R (Typ.) Ohm	Temp. °C	Temp. °F
1117	30	86
1078	20	68
1039	10	50
1000	0	32
961	-10	14
922	-20	-4
882	-30	-22



Ordering

Type	Cable	Packing Qty.	Code no.
AKS 12	1.5 m	1	084N0036
		30	084N0035
	3.5 m	30	084N0039
	5.5 m	30	084N0038
	5.5 m with AMP-plug	30	084N0037
	13.5 m	20	084N0034