

## 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 measurements in the following areas:

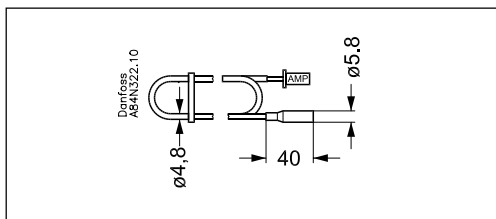
- Refrigeration
- Air conditioning
- Heating
- Primarily in conjunction with controllers type EKC 201 and EKC 301 and data collection unit type m2.

The sensor comes adjusted and complies with the requirements to tolerance in DIN IEC 751, class B.

### Technical data

Nominal resistance	1000 ohm at 0°C
Measuring accuracy	Class B
Temperature range	-40 to 80°C
Cable material	PVC 2 x 0.22 mm <sup>2</sup>
Sensor tube	18/8 stainless steel
Time constant	15 seconds
Density	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	Number	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

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