

Data sheet

Temperature sensor AKS 12



Pt 1000 temperature sensor.

The sensor can be used for temperature logging on monitoring in conjunction with EKC controllers in the following areas:

- Refrigeration
- Air conditioning
- Heating

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

Features

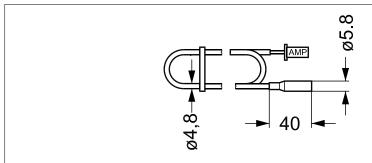
- Temperature range -40 100 °C
- The sensors are adjusted and comply with the requirements to tolerance in EN 60751, class B



Technical data

Nominal resistance	1000 ohm at 0 °C	
Measuring accuracy	Class B	
Temperature range	-40 − 100 °C	
Cable material	PVC, 2 x 0.22 mm ²	
Sensor tube	18/8 stainless steel	
Time constant	15 seconds	
Enclosure	IP67	
AMP-Plug (selected sensors only)	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



Cabel resistance @ 20 °C:

PVC 2 x 0.22 mm² (Resistance per conductor R1 = 78.2 Ohm/km) The constant conductor resistance: $R = 2 \times R1$ The total resistance in the sensor circuit is therefore: R + RTD

Ordering

Туре	Cable	Packing Qty.	Code no.
	1.5 m	1	084N0036
		30	084N0035
3.5 m AKS 12 5.5 m with AMP-Plug 8.5 m	3.5 m	30	084N0039
	F. F	30	084N0038
	5.5 M	1	084N0046
	E E annual Maria AAAD Dhaan	30	084N0037
	1	084N0045	
	8.5 m	30	084N0041

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed.

All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.