



SL DSEETHERM C Self-limiting Block Heater

1 Application

The self-limiting electric conduction heater is designed to be attached directly to manifolds, measuring or analyzing instruments, control valves and similar equipment installed in hazardous areas. It is designed to be attached directly to a DIN rail. It heats the device by conduction. This is the easiest, safest and most economical method of freeze protection or temperature maintenance.

2 Special Features & Advantages

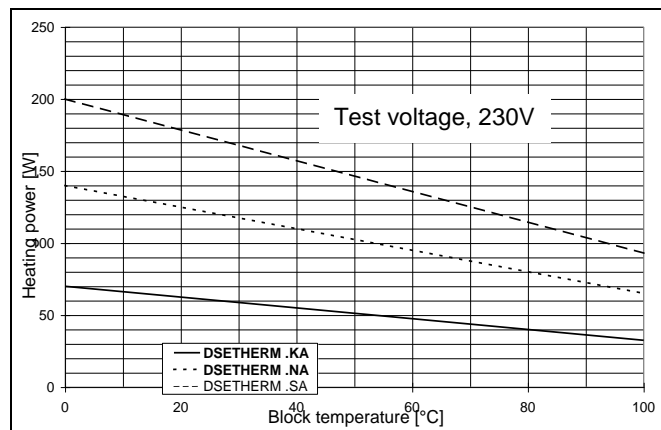
- Energy saving, high output
- Self-limiting, no fusible link or limiter
- Compact, requires very little space
- Adjusts automatically to the voltage
- The additional fins support the convective heat transfer

3 Description

DSEETHERM is a aluminum heating block with a ½" NPT thread to connect to a conduit. The PTC cartridge provides the heat that is transferred through the heater block to the device to which it is attached.

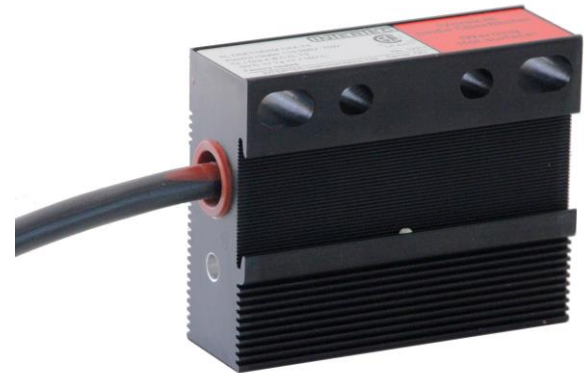
4 Performance

The diagram below shows the heating power at different block temperatures.



All INTERTEC explosion-proof heaters can also be supplied

- to European ATEX standard (ATEX/ IEC).
Ordering Example: SL DSEETHERM **D**SA T3 TS AM
- in a less expensive, **N**on-explosion-proof design
Ordering Example: SL DSEETHERM **N**KA
- as Bi-Standard (see datasheet [HD608](#)).



5 Technical Data

SL DSEETHERM	CKA	CNA	CSA
CSA Certificate	1655545 (LR43674)		
CSA Type of Protection	Cl. I, Div. 1, Group A,B,C,D, T3/T4		
Length of Block (Inches)	4"	6,5"	11,35"
Length of Block (mm)	101,60	165,10	288,30
Temperature Class	T3		
Nominal Power (Watt)	70	140	200
Nominal Voltage	110 to 277 V		
Operating Temp. Range	-58 F to +356 F/ -50°C to +180°C		
Ingress Protection	IP 68		
Material	seawater-proof aluminium, black anodized		

6 Options

TSxx A	Thermostat kit with 3 port junction box
AM	Failure alarm opens at < 41F/ 5°C (only possible with version CNA and CSA)
3M	Connection cable 3 m long

Not all options can be combined.

Ordering example:

SL DSEETHERM CNA T3 AM

Ti Techingenium

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