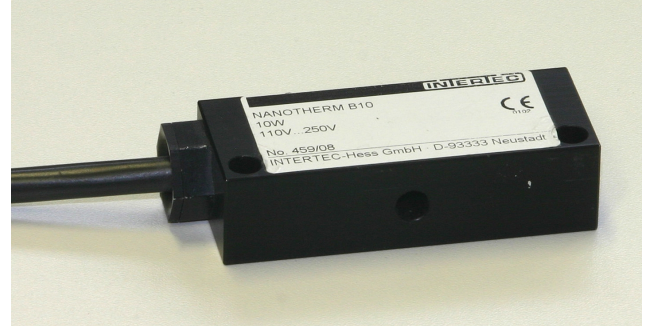


SL NANOTHERM Self-limiting Block Heater

1 Application

The self-limiting electric heater is designed to be attached directly to manifolds, measuring instruments, control valves and similar equipment installed in non Ex general purpose areas. The flat side shall be attached to the object to be heated and it's heated by conduction. This is the easiest, safest and most economical method of freeze protection or temperature maintenance.

For general purpose, not for hazardous areas.



2 Special Features & Advantages

- Energy saving
- Self limiting, no limiter
- Requires very little space
- Adjusts automatically to the voltage

3 Description

SL NANOTHERM is a metal heating block. The PTC cartridge provides the heat that is transferred through the heater block to the device to which it is attached.

4 Performance

A conduction heater requires considerably less power than a finned convection heater, as the heat conducting qualities of metal are much better than those of air. The air surrounding the whole installation in the enclosure serves as additional insulation.

5 Technical Data

Classification	Non Ex
Nominal voltage	110 to 265 V
Max. permitted operating temperature	-20 to +40°C
Connection Cable	notch and oil resistant, 3 x 0,75 mm ²
Protection	IP54
Length of connect.cable	1 m
Material	seawater-proof aluminium, black anodized

6 Types

NANOTHERM	A 10	A 15	B 10	B 15
Dimension [mm]	20 x 58 x 77		20 x 30 x 75	
Nominal Power	10 W	15 W	10 W	15 W

Other types upon request

7 Options

3M	3 meter cable
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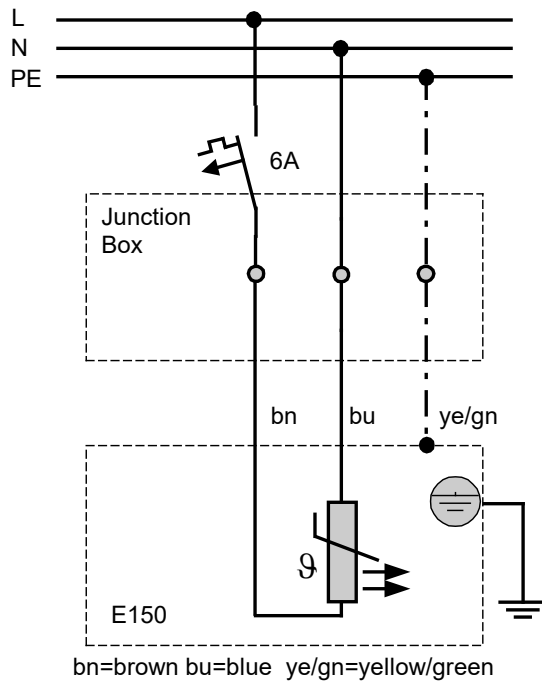
8 Supply Voltage

In addition to the above-mentioned temperature characteristics, the PTC-elements show a varistor effect. They control their resistance in accordance to the supply voltage. . The nominal power supply voltage may be 110 V to 265 V with the same heater. The output can be up to 15% higher or lower.

For the first few seconds after power on an inrush current occurs that is approx 5 times the nominal current.

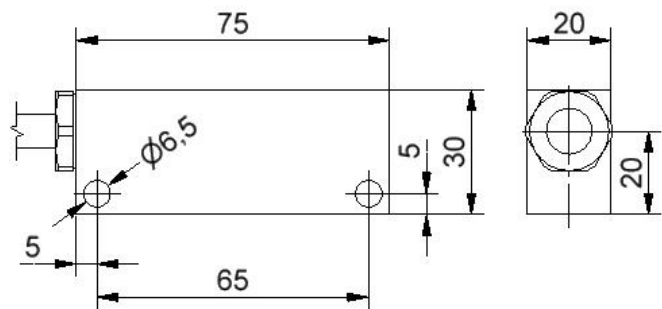
SL NANOTHERM Self-limiting Block Heater

9 Electric Wiring



10 Dimensions

NANOTHERM A ..



NANOTHERM B ..

