

# SL BLOCKTHERM DLA .. ADA Self-limiting Heater Plate



## 1 Application

The electrically heated aluminium plate transfers the heat to transmitters or other instruments by conduction. This kind of freeze protection or temperature maintenance is easy, safe and economical.

## 2 Special Features

- Energy-saving
- Self-limiting, no limiter required
- Space-saving
- Large range of operating voltages

## 3 Description

A heating block SL BLOCKTHERM DLA in temperature class T3 or T4 (see data sheet [HD660](#)) is bolted onto a black anodized aluminium plate, ensuring efficient heat transfer. The solid plate may be drilled in any place to obtain good contact with the instruments to be heated.

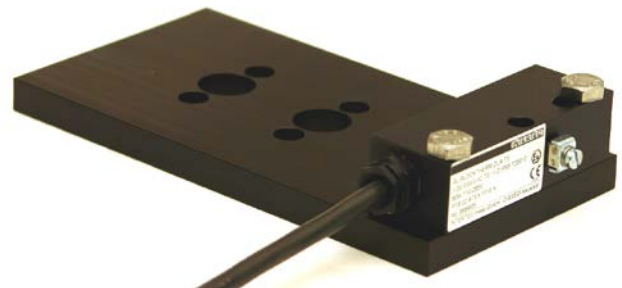
Optionally the heater plate can be supplied with a drill pattern suitable for mounting all standard transmitters (see point 8).

## 4 Heating Power

A conduction heater requires considerably less energy than a convection heater with fins. Heat transfer through metal is more efficient than heat transfer through air. As the air surrounds the entire installation in the housing, it acts as an additional insulation. A black anodized finned profile on one side of the heater plate transforms the conduction heater into an additional convection heater.

## 5 Options

BT	Heating plate with drill pattern for transmitter
BM	Heating plate with drill pattern compatible ADA ENEX
AM	Failure alarm: opens at < 5°C
AP 1	Finned profile for additional convection
3M	Connection cable 3m long
S	Material: stainless steel, Material No. 1.4571



## 5 Explosion Protection

EC Type Examination Certificate	PTB 02 ATEX 1116 X
---------------------------------	--------------------

## 6 Technical Data

Ex-Types	DLA T4 ADA	DLA T3 ADA
Type of Ignition Protection	II 2 G/D EEx d IIC	
Temperature Class	T4	T3
Nominal Voltage	110 to 265 V	
Nominal Power	50W	80W
Operating Temperature Range	-50 to +180°C	
Protection Degree	IP68	
Connection Cable (in case of AM)	Silflex 3x1,5 mm <sup>2</sup> , Ø 8,5mm (Silflex 5x1,5 mm <sup>2</sup> , Ø 8,8mm)	
Material	Aluminium, seawater proof; black anodized	

Also available to American NEC Standard (CSA/NRTL).

Non-Ex-Types	B50 ADA	B80 ADA
Nominal Voltage	110 to 265 V	
Nominal Power	50W	80W
Operating Temperature	max. 200°C	
Protection Degree	IP68	

## Ordering Example:

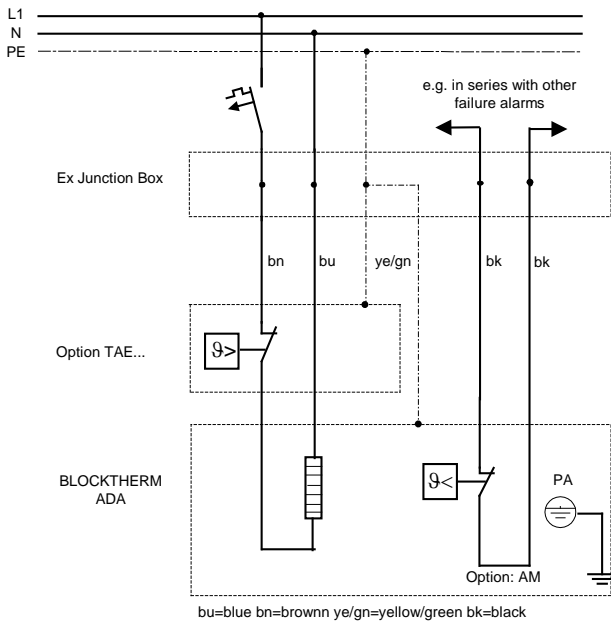
SL BLOCKTHERM DLA T3 ADA (Standard)

SL BLOCKTHERM DLA T3 ADA BT AM (2 options)

# SL BLOCKTHERM DLA .. ADA Self-limiting Heater Plate



## 7 Electric Wiring



TAE...(see data sheet [HD223](#)) for limiting the block or room temperature

## 8 Option AP1



Standard with AP1

## 9 Dimensions

