

# 590+ Blower Motor Protector Option



**EUROTHERM  
DRIVES**

## Application

The Blower Motor Protector Option uses a manual motor circuit controller to provide motor overload and branch circuit protection for a single or three phase AC blower motor. The starter assembly is fully wired and ready for site installation. This option offers

- Branch circuit protection
- Instantaneous magnetic short circuit protection
- Thermal overload protection, Class 10, with adjustable trip current settings
- Start/Stop/Reset switching with “tripped” pushbutton indication
- Normally open auxiliary contact wired into the drive logic to indicate “Motor Overtemperature” trip

Blower Motor Amps	Catalog Number
0.1 - 0.16	955+BMS016
0.16 - 0.25	955+BMS025
0.25 - 0.4	955+BMS040
0.4 - 0.63	955+BMS063
0.63 - 1	955+BMS100
1 - 1.6	955+BMS160
1.6 - 2.5	955+BMS250
2.5 - 4	955+BMS400
4 - 6.3	955+BMS630

This contactor kit includes

- Rail mounted blower motor protector
- Wire harnesses and header terminations already fitted to the motor protector
- Instruction sheet

### CAUTION

Since this option takes its power from the drive's three-phase supply, please ensure that the blower motor is rated for the same voltage. Do not use this option to power a different voltage blower motor

### WARNING

The drive should be isolated from all incoming power before attempting to install this option.

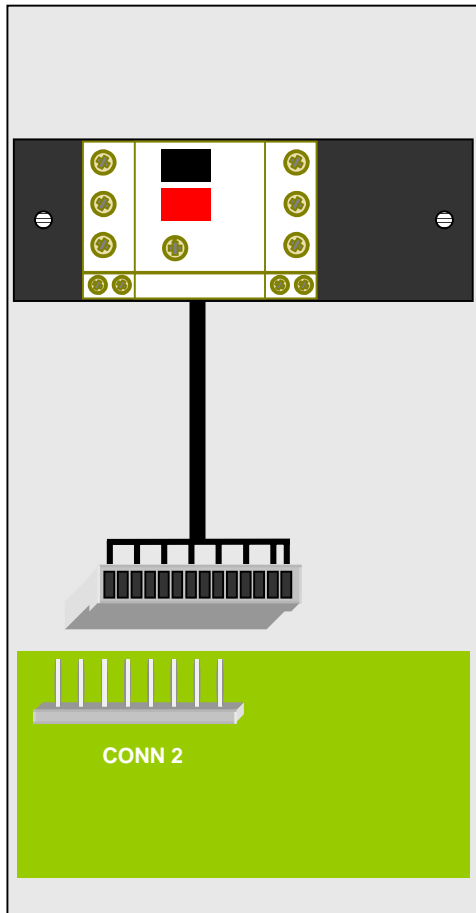
## Installation

1. Remove the terminal cover of the drive. Release the two quarter-turn screws and hinge the control assembly upwards. If the drive is already mounted on a panel, engage the support bar that hinges out from the left side of the chassis.
2. Orient the assembly horizontally across the top of the drive, so that the harness points downwards, toward the power terminals.
3. Align the bracket with its mounting slots on the inside walls of the drive. Snap into place with a firm push until the tabs engage.
4. Locate the 14-way header for the blower motor protector connections.  
On **Frame 1** DRV's, it is called **CONN 2**, situated on the top left corner of the fuse board.  
On **Frame 2** DRV's, it is called **CONN 44**, situated at the right edge of the terminal board.
5. Remove the 2-way connector that is installed on the two rightmost pins and save it for future use.
6. Plug the 14-way connector from the blower motor protector onto header **CONN 2** (frame 1) or **CONN 44** (frame 2).
7. With a small screwdriver, set the full load current of the blower motor on the dial of the blower motor protector.
8. Press the Start button on the blower motor protector. Installation is now complete.
9. Connect the blower motor leads to terminals BL1, BL2, BL3.

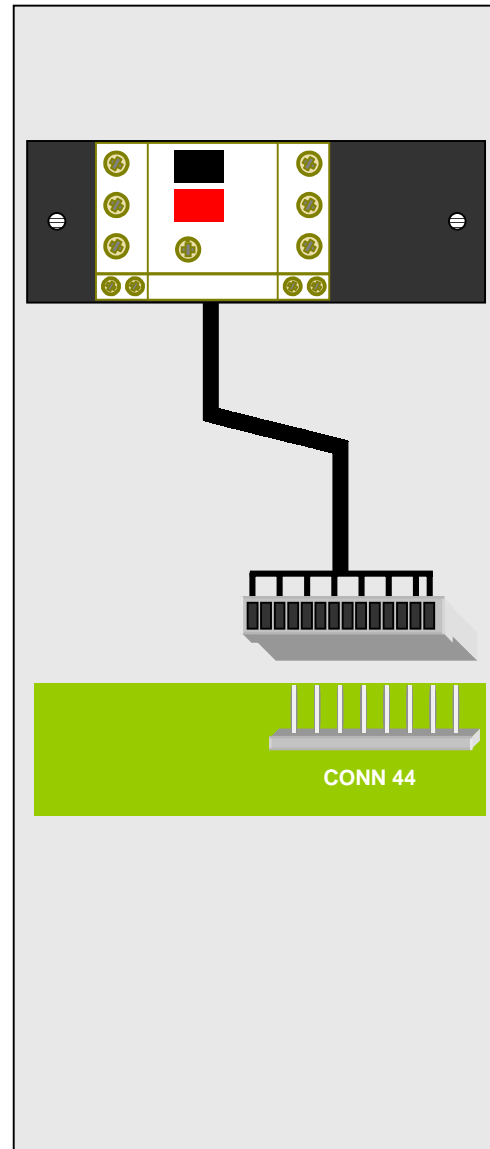
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## Connections

Frame 1



Frame 2



## Blower Motor Connections

