MODEL SHZF3 SERIES
Power Controls
Three-Phase (3 & 4 Wire) Zero-Fired Models
Rated 15 - 225 Amperes

The SHZF3 Series is designed to deliver maximum power control with all the features normally found in much larger units. Utilizing only two frame sizes, these units are conservatively engineered for years of trouble-free service while providing the benefits of precise, reliable control for your electrical process.

The SHZF3 Series accepts all standard voltage and current command signals or a remote potentiometer input. The 4-20 mA command signal is optically isolated. Standard operating voltages are 120, 240, 400, 480 & 575 Vac, 3 Phase, 50/60 Hz. Other voltages are available.

Multi-turn zero and span adjustments are provided for matching the SCR power control to the command signal. Control power, command signal and blown fuse indicators are provided as a means for trouble shooting. The control power indicator (red) indicates power has been applied to the unit. The command signal indicator’s (green) brilliance is proportional to the output voltage. The blown fuse indicators (3-yellow) light if the fuse is cleared (60-225A).

Applications:
Primarily used to control static resistive, non-inductive 3 or 4 wire loads.

• Small electric furnaces
• Electric ovens, kilns & heaters
• Extrusion or injection molding

ISE, Inc. - 10100 Royalton Rd. - Cleveland, OH 44133 USA - Tel: (440) 237-3200 - Fax (440) 237-1744 - http://iseinc.com
SPECIFICATIONS:

Control Method: Zero-firing of six back-to-back SCRs (3 leg Control)

Voltage Rating: 120, 240, 400, 480, 575 Vac, 3 phase, 50/60 Hz

Current Ratings: 15, 25, 30, 60, 90, 120, 180, 225 Amperes

Command Signal: Most standard process signals

Isolation: 2500 volts rms from power circuit to command signal and to ground

Adjustments: Zero and span, multi-turn

Ambient Temperature: Operating: 0° to 50° C
                        Storage: -10° to 70° C

Relative Humidity: 0 to 95% (non-condensing)

Weights: 15, 25A 11 lbs.
         30-225A 33 lbs.

HOW TO ORDER:

Make one selection from each of the tables shown. Place the selections in the corresponding boxes to build your model number.

1 VOLTAGE TABLE*  2 CURRENT TABLE  3 OPTION TABLE  4 COMMAND SIGNAL TABLE

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Amps</th>
<th>120 Vac</th>
<th>240 Vac</th>
<th>400 Vac</th>
<th>480 Vac</th>
<th>575 Vac</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15</td>
<td>15</td>
<td>25</td>
<td>30</td>
<td>60</td>
<td>90</td>
</tr>
<tr>
<td>120 Vac</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>240 Vac</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>400 Vac</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30</td>
</tr>
<tr>
<td>480 Vac</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60</td>
</tr>
<tr>
<td>575 Vac</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>90</td>
</tr>
</tbody>
</table>

*Other voltages available

15 Amps  | 25 Amps  | 30 Amps  | 60 Amps  | 90 Amps  | 120 Amps  | 180 Amps  | 225 Amps  |

N.O. Thermostat  NO  4-20 mA (Self Powered)  01
N.C. Thermostat  NC  0-10 VDC  02
Load Unbalance Alarm  UB  0-5 VDC  03
SCR Failure Alarm  SF  Auto/Man  04
*Manual Pot Input  05
Others  06-99

*a Thermostat included above 60A
Specify N.O. or N.C.

DIMENSIONS:

15, 25 A

Depth 6.376

30 thru 225 A

Depth 9.508

Specifications subject to change without notice