Thank you for choosing this Mitsubishi Electric inverter option. This product is an inrush current limit circuit kit specifically made for the FR-A802 high power factor converter, which the FR-A802 inverter has been converted into. Always use this product with the converter.

For wiring and handling of the reactor, refer to the Instruction Manual of the FR-A8AVP. Incorrect handling might cause an unexpected fault. Before using this product, always read this Instruction Manual carefully to ensure proper use. Please forward this Instruction Manual to the end user.

### Safety instructions

- Do not attempt to install, operate, maintain or inspect this product until you have read through this Instruction Manual, the Instruction Manual of the FR-A8AVP, and supplementary documents carefully and can use the equipment correctly. Do not use this product until you have a full knowledge of this product mechanism, safety information and instructions.
- Installation, operation, maintenance and inspection must be performed by qualified personnel. Here, qualified personnel means personnel who meets all the following conditions.
  - A person who took a proper engineering training.
  - Such training may be available at your local Mitsubishi Electric office. Contact your local sales office for schedules and locations.
  - A person who can access operating manuals for the protective devices (e.g. light curtain) connected to the safety control system. A person who has read and familiarized themselves with the manuals.
- In this Instruction Manual, the safety instruction levels are classified into "WARNING" and "CAUTION". Incorrect handling may cause hazardous conditions, resulting in death or severe injury.
- Note that even the CAUTION level may lead to a serious consequence depending on conditions. Be sure to follow the instructions of both levels as they are critical to personal safety.

#### Fire prevention

**CAUTION**
- This product must be installed on a nonflammable wall without any through holes. Installing it to or near flammable material may cause a fire.

#### Injury prevention

**CAUTION**
- The voltage applied to each terminal must be as specified in the Instruction Manual. Otherwise, burst, damage, etc. may occur.
- The cables must be connected to the correct terminals. Otherwise, burst, damage, etc. may occur.
- The polarity (+ and -) must be correct. Otherwise burst, damage, etc. may occur.
- While power is ON or for some time after power-OFF, do not touch this product as it will be extremely hot. Doing so may cause a burn.

#### Additional instructions

The following instructions must be also followed.

- If this product is handled incorrectly, it may cause unexpected fault, an injury, or an electric shock.

**CAUTION**

- This product must be used indoors (without corrosive gas, flammable gas, oil mist, dust and dirt) Otherwise this product may be damaged.
- This product must be used at an altitude of 2500 m or less, with 2.9 m/s² or less vibration at 10 to 55 Hz (directions of X, Y, Z axes). Otherwise the product may be damaged.
- The cables must be connected to the correct terminals. Otherwise burst, damage, etc. may occur.
- The product mechanism, safety information and instructions.
- Do not install or operate this product if it is damaged or has parts missing.
- As this product is a precision instrument, do not drop or subject it to impact.
- The surrounding air temperature must be between -10 and +50°C (non-freezing) for this product. Otherwise the product may be damaged.
- The ambient humidity must be 95%RH or less (non-condensing) for this product. Otherwise this product may be damaged.
- Do not touch this product while the power is off, or you may get an electric shock due to the fact that high voltage terminals and charging part are exposed.
- Any person who is involved in wiring or inspection of this product shall be fully competent to do the work.

#### Component list

<table>
<thead>
<tr>
<th>Component number</th>
<th>Description</th>
<th>Quantity</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>BKO-CA257H01</td>
<td>Inrush current limit resistor (without thermostat)</td>
<td>3</td>
<td>500K</td>
</tr>
<tr>
<td>BKO-CA257H11</td>
<td>Inrush current limit resistor (with thermostat)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BKO-CA257H1</td>
<td>Inrush current limit resistor</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>S-N400 AC200V 2A2B</td>
<td>Inrush current limit magnetic contactor</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MYQZ4 AC200V 2A</td>
<td>Buffer relay</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>PTT-141</td>
<td>Mini relay terminal block</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>PYC-A1</td>
<td>Mini relay clip</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

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**WARNING**

- Usage.
- Do not modify the this product.
- Do not remove any part which is not instructed to be removed in the Instruction Manuals. Doing so may lead to a failure or damage of this product.

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**CAUTION**

- Disposal.
- This product must be treated as industrial waste.
Restricted Use of Hazardous Substances in Electronic and Electrical Products

The mark of restricted use of hazardous substances in electronic and electrical products is applied to the product as follows based on the "Management Methods for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products" of the People's Republic of China.

电器电子产品有害物质限制使用标识要求

本产品中所含有害物质的名称及含量，含有部件如下表所示。

### References

#### Electrical safety

GB12668.501

#### Referenced Standard

(Requirement of Chinese standardized law)

This Product is designed and manufactured in accordance with following Chinese standards.

MITSUBISHI ELECTRIC CORPORATION
HEAD OFFICE: TOKYO BUILDING 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

HEAD OFFICE: TOKYO BUILDING 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

HEAD OFFICE: TOKYO BUILDING 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN