A. General description
1. Main function: When the utility power is abnormal, the load will switch to emergency power (generators). While the utility power returns, the load will back to utility power supply.
2. Mechanical Interlock: For protecting two breakers, they will not be switch on in the same time.
3. Reading status easily: LED indicators show status of power source and load.

B. Features
1. Double protections
2. Automatic & Manual operation
3. Clear operation status:
   a. Normal
   b. Emergency
   c. Load on
4. Overload and short circuit protection
5. Automatic switch: Normal power ↔ Emergency power

C. Type designation

<table>
<thead>
<tr>
<th>Type</th>
<th>ATS Protection Switch</th>
<th>Rated current In (A)</th>
<th>Pole</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS-MB</td>
<td>Miniature Circuit Breaker</td>
<td>20A</td>
<td>R, N</td>
<td>110V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>R, T</td>
<td>220V</td>
</tr>
</tbody>
</table>

D. ATS wire connection: 1Ø3W 110V-/220V
E. The main contact module diagram:

F. Contactor manual operation device diagram:

G. Overall dimensions (mm)

Type: BS-MB
SHIHLIN ELECTRIC & ENGINEERING

MOTOR CONTROL (CONTACTOR/ MS/ MMS), CIRCUIT BREAKER (MCCB/ ELCB/ EMCCB/ MCB), AIR CIRCUIT BREAKER, AUTOMATIC TRANSFER SWITCHES (Panel Board Type/ Residential Unit Use), SURGE PROTECTIVE DEVICE, LOW VOLTAGE POWER CAPACITORS, SMART METER, INVERTER

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