SYNCHRONISM CHECK RELAY

IJS99AA

TYPE IJS

INTRODUCTION

THES INSTRUCTIONS PLUS THOSE CONTAINED IN GEI-93825 CONSTITUTE THE INSTRUCTIONS FOR THE IJS99AA RELAY

DESCRIPTION

RELAY IJS99AA IS SIMILAR TO MODEL IJS52E REFERRED TO IN GEI-93825 EXCEPT FOR THE ADDITION OF A TARGET AND SEAL-IN UNIT. SEE THE INTERNAL SHOWN IN FIGURE 1 OF THIS SUPPLEMENT. THERE IS AN INSULATED STANDOFF BETWEEN TERMINAL 2 AND 2A. AS SHOWN IN FIGURE 1 OF THIS SUPPLEMENT, ONLY THE TARGET FEATURE WILL OPERATE. TO OBTAIN THE SEAL-IN FEATURE THE WIRE ON 2A MUST BE MOVED TO TERMINAL 2.

TARGET SEAL-IN RATINGS

<table>
<thead>
<tr>
<th></th>
<th>0.6 AMP TAP</th>
<th>2.0 AMP TAP</th>
<th>0.2 AMP TAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIMUM OPERATING</td>
<td>0.6 AMPS</td>
<td>2.0 AMPS</td>
<td>0.2 AMPS</td>
</tr>
<tr>
<td>CARRY CONTINUOUSLY</td>
<td>1.5 AMPS</td>
<td>3.5 AMPS</td>
<td>0.4 AMPS</td>
</tr>
<tr>
<td>CARRY 30 AMPs FOR</td>
<td>0.5 SEC.</td>
<td>4 SECs.</td>
<td></td>
</tr>
<tr>
<td>CARRY 10 AMPs FOR</td>
<td>4 SECs.</td>
<td>30 SECs.</td>
<td></td>
</tr>
<tr>
<td>DC RESISTANCE</td>
<td>0.6 OHMS</td>
<td>0.13 OHMS</td>
<td>7 OHMS</td>
</tr>
<tr>
<td>60 CYCLE IMPEDANCE</td>
<td>6 OHMS</td>
<td>0.53 OHMS</td>
<td>52 OHMS</td>
</tr>
</tbody>
</table>

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser’s purposes, the matter should be referred to the General Electric Company.
WOUND SHADING COILS

TARGET CONN. SHOWN FOR TAR. INDICATING MODE.
FOR TAR/SEAL-IN, MOVE LEAD ON STUD 2A TO STUD 2.

SYN. CHECK

T&S1

T&S1

1 2 3 4 5 6 7 8 9 10

RELAY SHIPPED WITH GREEN LEAD ON STUD #4. REFER TO TYPICAL EXT. CONN. DIAGRAM 0165A7734 FOR ALTERNATE CONN.

* SHORT FINGERS

FIG. 1 (0257A5068) INTERNAL CONNECTIONS FOR RELAY IJS99AA (FRONT VIEW)