#### GENERAL DATA AND INFORMATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Circuit. | **95C- 2** |  | Serial no: | E15401/22 |
| Panel No. |  |  | Model no: | **2V68S-BCB** |
| Make: | **rms** |  | Aux. supply | 40-275 VAC |
| Flag type | Hand Reset |  | No of contacts | 6 Make Contacts |
| Time Setting | 3 – 20 sec |  | Voltage Setting | 2 – 14 VAC |

#### MECHANICAL CHECKS AND VISUAL INSPECTION:

****

|  |  |  |
| --- | --- | --- |
| **ITEM** | **DESCRIPTION** | **CHECKED** |
| 1 | Inspect for any physical damage or defects. |  |
| 2 | Verify connections as per approved drawings. |  |
| 3 | Check that serial no. of relay matching with serial no. of case. |  |

#### ELECTRICAL TESTS:

###### RELAY BURDEN:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Relay DC voltage** | **Relay DC current** | **Burden** | **Remarks** |
| No operation | 125 VDC |  |  |  |
| Operation | 125 VDC |  |  |  |

* 1. **TIMING TEST:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase** | **Contacts No.** | **Actual Operating time at 2xVs** | **Expected operating time (sec)** |
| **R** | 14 – 16 |  | 6 sec |
| **Y** | 10 – 12 |  | 6 sec |
| **B** | 6 – 8 |  | 6 sec |

###### FINAL SETTING:

Relay final voltage setting:

###### PICKUP TEST:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Voltage Setting (v) | **R** | | | **Y** | | | **B** | | |
| Pick up (V) | Drop off (V) | DO/PU Ratio | Pick up (V) | Drop off (V) | DO/PU Ratio | Pick up (V) | Drop off (V) | DO/PU Ratio |
| **14 V** | V | V | % | V | V | % | V | V | % |

#### FUNCTIONAL TEST:

#### 

|  |  |  |
| --- | --- | --- |
| **ITEM** | **DESCRIPTION** | **CHECKED** |
| 1 | All contacts checked. |  |
| 2 | Flag operation checked. |  |
| 3 | Test Switch Isolation Checked |  |
| 4 | CT Bus Shorting Contacts Checked |  |