#### 1. GENERAL DATA AND INFORMATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Circuit Ref. | MERTERED FEEDER |  | Designation | F-30 |
| Panel No. |  |  | Serial No. |  |
| Make | AREVA |  | Model No. | MVAW11R1BB9002A |
| Dwg & Sh No. |  |  | Aux. Voltage | 125 VDC |
| Flag Type | HAND RESET |  | No. of Contacts | 2 NC + 2 NO |
| R. Ext. | 1.2 KΩ |  |  |  |

#### 2. MECHANICAL CHECKS AND VISUAL INSPECTION:

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | CHECKED |
| 1 | Inspect for any physical damage or defects. |  |
| 2 | Verify nameplate information for correctness |  |
| 3 | Check tightness of all bolted connections. |  |
| 4 | Check all grounding connections are securely fix |  |
| 5 | Verify connections as per approved drawing |  |
| 6 | Check reset operation |  |
| 7 | Check serial no. of relay matching with serial no. of case |  |

#### 3. FUNCTIONAL TEST:

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | CHECKED |
| 1 | All contact checked |  |
| 2 | All output contacts resistance checked |  |
| 3 | Flag Operation Checked |  |

#### 4. ELECTRICAL TESTS:

 **4.1 PICK UP / DROP OFF TEST:**

 Test without external resistor (if available)

|  |  |  |  |
| --- | --- | --- | --- |
| Coil | Relay Terminals | Voltage (V) | Current (mA) |
| Pick Up | Drop Off | Pick Up | Drop Off |
| Op. coil |  |  |  |  |  |

 **Operating range : ( 37.5 – 60v )**

 **Operating current range : Not less than 25 mA**

 **Drop off current range : Not less than 15 mA**

 **4.2 TIMING TEST:**

 Test without external resistor (if available) and apply rated voltage

|  |  |  |  |
| --- | --- | --- | --- |
| Coil | Contacts No. | Operating Time (ms) | Resetting Time (ms) |
| Operating Coil | 6 - 8 |  |  |

 Pick up time : 50 ms , Drop off time < 35

 **4.3 RELAY BURDEN AT RATED VOLTAGE:**

|  |  |  |  |
| --- | --- | --- | --- |
| Coil | Voltage (V) | Current (mA) | Burden (W) |
| Op. coil |  |  |  |

 At 54V burden 3.7w