#### 1. GENERAL DATA AND INFORMATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Bay No. |  |  | Designation No. |  |
| Bay Name |  |  | Order No. | MVAJ105RA0800A |
| Manufacturer | AREVA |  | Aux. Voltage | 110 - 125 VDC |
| Dwg & Sh No. |  |  | No. of Contacts | 8 NO + 2 NC |
| Flag Type | Electrical and Hand Reset |  |  |  |

#### 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. ELECTRICAL TESTS:

###### A. Function Test:

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

###### B. PICKUP VOLTAGE TEST FOR OPERATE AND RESET COILS :

|  |  |  |  |
| --- | --- | --- | --- |
| **Pick Up for Operate Coil** | | **Pick Up for Reset Coil** | |
| **Volts (V)** | **Current (mA)** | **Volts (V)** | **Current (mA)** |
|  |  |  |  |

**Operating Range :**

Minimum Operating Voltage 35% of lower rated voltage ( As per technical data )

###### C. OPERATING TIMING TEST : (AT 100% RATED VOLTAGE)

|  |  |  |  |
| --- | --- | --- | --- |
| **Time for Operate Coil (ms)** | **Contact**  **Terminals** | **Time for Operate Coil (ms)** | **Contact**  **Terminals** |
|  | 1 - 3 |  | 1 - 3 |

**Limits** :

Pick up Time < 15 ms , Drop off time < 15 ms ( As per technical data )

###### D. RELAY BURDEN TEST:

|  |  |  |  |
| --- | --- | --- | --- |
| **Coil** | **Voltage (V)** | **Current (mA)** | **Relay Burden**  **Watts (W)** |
| Operate | 125 |  |  |
| Reset | 125 |  |  |

**Limits** :

Relay Burden for Operate Coil < 80/150W , Relay Burden for Reset Coil < 40W

( As per technical data )