#### 1. GENERAL DATA AND INFORMATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Circuit Ref. |  |  | Designation |  |
| Panel No. |  |  | Serial No. |  |
| Make | OMRON |  | Model | MM4XP |
| Dwg & Sh No. |  |  | Voltage | 125 VDC |
| Flag Type | Self Reset |  | No. of Contacts | 4 NO / NC |

#### 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 / DROP OFF TEST:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Coil**  **Reference** | **PICK UP** | | **DROP OFF** | |
| **VOLTS (V)** | **CURRENT (mA)** | **VOLTS (V)** | **CURRENT (mA)** |
| 1 - 10 |  |  |  |  |

Limits: Pick up voltage: 70 % max

Drop off not less than 10 %0f Vn ( According to relay catalogue )

###### c. TIMING TEST:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Coil**  **Reference** | **Pick up (mS)** | **Contact**  **Terminals** | **Drop Off (mS)** | **Contact**  **Terminals** |
| 1 - 10 |  | 2 - 3 |  | 2 - 3 |

###### Limits: Pick Up Time : 50 ms

###### Drop Off Time: 30 mS ( According to relay catalogue )

###### d. RELAY BURDEN TEST: (DURING OPEARATION)

|  |  |  |  |
| --- | --- | --- | --- |
| **Coil**  **Reference** | **Voltage (V)** | **Current (mA)** | **Relay Burden**  **Watts (W)** |
| 1 - 10 | 125 |  |  |

#### Limits: Burden : 2.7 W ( According to relay catalogue )