1. **GENERAL DATA AND INFORMATION:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panel No. |  |  | Designation |  |
| Make |  |  | Type | RXMC1 |
| Serial No. |  |  | Aux. Voltage | 125V |
| Model No. |  |  | No. of Contacts |  |

1. **MECHANICAL CHECKS AND VISUAL INSPECTION:** (Ref: 4.1 of TCS-P-105-R1)

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | REMARKS |
| 1 | Inspect for any physical damage or defects. |  |
| 2 | Verify connections as per approved drawings. |  |
| 3 | Check tightness of all connections. |  |
| 4 | Check that serial no. of relay matching with serial no. of case. |  |
| 5 | Check condition of any connectors, contacts alignment and travel. (if applicable) |  |
| 6 | Check armature gap. (if applicable) |  |
| 7 | Check Reset mechanism. |  |

1. **ELECTRICAL TEST:** (Ref: 4.2 of TCS-P-105-R1)

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | REMARKS |
| 1 | Check the continuity of the contacts. |  |
| 2 | output contacts OK |  |
| 3 | Check Flag Operation (if applicable). |  |
| 4 | Check Reset Operation. |  |
| 5 | Check operating Coil resistance. |  |
| 7 | Voltage operated relays to have a pickup voltage less than 80% of the rated substation voltage to allow for proper operation of the relay even during substation DC under-voltage condition. |  |

* 1. **PICKUP & DROP OFF TEST:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Coil no | Pick UP | | Drop off | | Contact terminals |
| Voltage (V) | Current (mA) | Voltage (V) | Current (mA) |
| A |  |  |  |  |  |
| B |  |  |  |  |  |

Pick-up voltage:<80% Ur Drop-off voltage:>10% Ur

Limit (According to relay catalogue page NO.1MRK508006-BEN page no:4 )

* 1. **OPERATING AND DROP OFF TIME TEST:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| COIL NO | Operating time (mS) | Contact Terminals | Reset time (mS) | Contact Terminals |
| A |  |  |  |  |
| B |  |  |  |  |

Pick-up time:make/brake 6/5 ms Drop off time:make/brake 3/0 ms

Limit: (According to Relay, catalogue page no. 1MRK508006-BEN page no:4)

* 1. **RELAY BURDEN TEST:**

|  |  |  |  |
| --- | --- | --- | --- |
| COIL NO | Voltage applied (V) | Measured current (mA) | Measured Burden(W) |
| A |  |  |  |
| B |  |  |  |

VA:1.2 W at 110V

Limit:(According to relay catalogue page NO.1MRK508006-BEN page no:4)