1. **GENERAL DATA AND INFORMATION:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Bay No. |  |  | Serial No. |  |
| Bay Name |  | Model No. | MCRI01T1CB0751C |
| Make |  | Aux. Voltage | 110 - 125 VDC |
| Frequency | 50/60 Hz | In | 1A |

1. **MECHANICAL CHECKS AND VISUAL INSPECTION:**

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | CHECKED |
| 1 | Inspect for any physical damage or defects. |  |
| 2 | Check serial no. of relay matching with serial no. of case |  |

1. **ELECTRICAL TESTS:**
   1. FUNCTION TEST:

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | CHECKED |
| 1 | All contact checked |  |
| 2 | All output contacts resistance checked |  |

* 1. BURDEN TEST:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Applied Voltage (V)** | **Burden Without Fault** | | **Burden During Fault** | |
| 125 |  |  |  |  |

DC burden without fault = 0.05W (Refer to sh.4 of the service manual)

DC burden with fault = 4.5W (Refer to sh.4 of the service manual)

* 1. PICK UP AND DROP OFF TEST:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Current Setting**  **R&B Phase (A)** | **R – Phase** | | | **B – Phase** | | | **Current Setting (N)** | **N** | | |
| Pick Up | Drop Off | Calculated Value =  (Drop Off / Pick Up) % | Pick Up | Drop Off | Calculated Value =  (Drop Off / Pick Up) % | Pick Up | Drop Off | Calculated Value =  (Drop Off / Pick Up) % |
| 0.5 |  |  |  |  |  |  | 0.2 |  |  |  |
| 1.0 |  |  |  |  |  |  | 0.5 |  |  |  |

Pick up value should be ± 15% of set value (Refer to sh.4 of the service manual)

Drop off to pick-up ratio should be 98% (Refer to sh.4 of the service manual)

* 1. TIMING TEST:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Set Value** | **Injected Current = 4 x Set Value** | **Operating Time (sec)** | | |
| **R** | **B** | **N** |
|  |  |  |  |  |

Operating Time at 4 x pick up should be 4 ms ±10% (Refer to sh.4 of the service manual)