#### 1. GENERAL DATA AND INFORMATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panel Ref. & No. |  |  | Designation | F5 |
| Make | ABB |  | Serial No. |  |
| Type  | RXETB1 |  | Rated Voltage | 110V/√3 |
|  |  |  | No. of Contacts | 2 C/O |

#### 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:

######  FUNCTION TEST:

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

######  PICK UP / DROP OFF VALUE TEST:

|  |  |  |
| --- | --- | --- |
| **Phases** | **Pick Up** | **Drop Off** |
| **R - Phase** |  |  |
| **Y - Phase** |  |  |
| **B - Phase** |  |  |

 Pick Up Voltage < 40% Ur and Drop Off Voltage > 75 % Ur

###### TIMING TEST:

|  |  |  |
| --- | --- | --- |
| **Set Time Delay** | **Operate Time ( ms )** | **Reset Time ( ms )** |
| R - Phase | Y - Phase | B - Phase | R - Phase | Y - Phase | B - Phase |
| 0 |  |  |  |  |  |  |
| 1 |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |

######  Operate Time = Basic Time Delay ( 10 – 15 ) + Set Time Delay

 Reset Time Delay less than 100 ms