#### 1. GENERAL DATA AND INFORMATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Circuit Ref. |  |  | Designation |  |
| Panel No. | **DCDB#** | Diagram no: |  |
| Relay Type | Self-Reset | Model No. | CAD32GD |
| Make |  | Aux. Voltage | 125 VDC |
| No. of Contacts | 2 N/C + 2 N/O |

#### 2. MECHANICAL CHECKS AND VISUAL INSPECTION:

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | CHECKED |
| 1 | Inspect for any physical damage or defects. |  |
| 2 | Verify connections as per approved drawing |  |

#### 3. ELECTRICAL TESTS:

###### 3.1 PICKUP / DROP OFF TEST:

|  |  |  |
| --- | --- | --- |
| Coil Ref. | Voltage (V) | Current (mA) |
| Pick up | Drop off | Pick up | Drop off |
| (A1) – (A2) |  |  |  |  |

 **PICK UP RANGE : 70-125% Uc DROP OFF RANGE : 10-25% Uc**

###### 3.2 TIMING TEST:

|  |  |  |
| --- | --- | --- |
| Contacts No. | Actual Time (msec) | Expected Time (msec) |
| Pick up | Drop off | Pick up | Drop off |
| 13 - 14 |  |  | 35 - 45 ms | 20 ms |

###### 3.3 RELAY BURDEN AT RATED VOLTAGE:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Coil | Voltage (V) | Current (mA) | Burden (W) | Burden Limits |
| Operate coil | 125 |  |  | 5.4 W |

#### 4. FUNCTIONAL TEST:

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | CHECKED |
| 1 | All output contacts resistance measured. |  |
| 2 | Flag operation checked. |  |
| 3 | Aux. Contacts checked. |  |