#### 1. GENERAL DATA AND INFORMATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Bay No.** |  |  | **Designation** |  |
| **Bay Name** |  |  | **Order No.** | RK 428 004 - AA |
| **MAKER**  | **ABB** |  | **Aux. Voltage** | 110 ~ VAC |

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

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | CHECKED |
| 1 | Inspect for any physical damage or defects. |  |
| 2 | Check apparatus lists |  |
| 3 | Check tightness of all connections. |  |

#### 3. ELECTRICAL TESTS:

###### A. FUNCTION TEST:

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | CHECKED |
| 1 | All contact checked |  |
| 2 | Indication checked |  |

###### B. PICKUP / DROP OFF VOLTAGE TEST: (3-PH)

######  1. Condition : ( U1 < U2 )

|  |  |
| --- | --- |
| **Operate Volts (V)** | **Reset Volts (V)** |
|  |  |

######  2. Condition : ( U2 < U1 )

|  |  |
| --- | --- |
| **Operate Volts (V)** | **Reset Volts (V)** |
|  |  |

 Limits : **Operate Voltage :** Ud > 20 V , **Reset Voltage**  **:** Ud > 4 V(As per Technical Data)

###### C. PICKUP / DROP OFF TIMING TEST : (3-PH) (AS RATED VOLTAGE)

######  1. Condition : ( U1 < U2 )

|  |  |
| --- | --- |
| **Operate Time (ms)** | **Reset Time (ms)** |
|  |  |

######  2. Condition : ( U2 < U1 )

|  |  |
| --- | --- |
| **Operate Time (ms)** | **Reset Time (ms)** |
|  |  |

 Limits : **Operate Time** **:** 8 ms , **Reset Time** **:** ≤ 25 ms(As per Technical Data)

###### D. PICKUP / DROP OFF VOLTAGE TEST: (PHASE-PHASE)

######  1. Condition : ( U1 < U2 )

|  |  |  |
| --- | --- | --- |
| **Phase** | **Operate Volts (V)** | **Reset Volts (V)** |
| R |  |  |
| Y |  |  |
| B |  |  |

######  2. Condition : ( U2 < U1 )

|  |  |  |
| --- | --- | --- |
| **Phase** | **Operate Volts (V)** | **Reset Volts (V)** |
| R |  |  |
| Y |  |  |
| B |  |  |

 Limits : **Operate Voltage :** Ud > 20 V , **Reset Voltage**  **:** Ud > 4 V(As per Technical Data)

###### C. PICKUP / DROP OFF TIMING TEST : (PHASE-PHASE) (AS RATED VOLTAGE)

######  1. Condition : ( U1 < U2 )

|  |  |  |
| --- | --- | --- |
| **Phase** | **Operate Volts (V)** | **Reset Volts (V)** |
| R |  |  |
| Y |  |  |
| B |  |  |

######  2. Condition : ( U2 < U1 )

|  |  |  |
| --- | --- | --- |
| **Phase** | **Operate Volts (V)** | **Reset Volts (V)** |
| R |  |  |
| Y |  |  |
| B |  |  |

 Limits : **Operate Time** **:** 8 ms , **Reset Time** **:** ≤ 25 ms(As per Technical Data)