#### 1. GENERAL DATA AND INFORMATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Bay No.** |  |  | **Designation** |  |
| **Bay Name** |  |  | **Order No.** | RK 251 401 - AP |
| **MAKER** | **ABB** |  | **Aux. Voltage** | 110 - 125 VDC |
| **Flag Type** | Electrical Reset |  | **No. of Contacts** | 7 NO & 7 NC |

#### 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 | All output contacts resistance checked |  |

###### B. PICKUP / DROP OFF VOLTAGE TEST:

|  |  |  |  |
| --- | --- | --- | --- |
| **Operate Coil (Term. +121 – 122)** | | **Reset Coil (Term. +211 – 212)** | |
| **Volts (V)** | **Current (mA)** | **Volts (V)** | **Current (mA)** |
|  |  |  |  |

Operating Range : 80 – 110 % of Ur **(Buyer’s Guide 1MRK 508 016-BEN)**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Operate Coil (Term. +121 – 122)** | **Contact**  **Terminals** | **Reset Coil (Term. +211 – 212)** | **Contact**  **Terminals** |
|  | 313 - 314 |  | 113 - 114 |

Pick up Time : 30 / 25 ms

Drop off time : 30 / 20 ms **(Buyer’s Guide 1MRK 508 016-BEN)**

###### D. RELAY BURDEN TEST 125 V:

**Precaution:**  Coil terminals are directly used for this test. Hence do not apply voltage more than 3 seconds.

|  |  |  |  |
| --- | --- | --- | --- |
| **Operate Coil (Term. +111 – 122)** | | **Reset Coil (Term. +214 – 212)** | |
| **Current (mA)** | **Watt (W)** | **Current (mA)** | **Watt (W)** |
|  |  |  |  |

Power consumption : (3.1) W **(Buyer’s Guide 1MRK 508 016-BEN)**