#### 1. GENERAL DATA AND INFORMATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Bay No.** |  |  | **Designation** | D1. Q2. S7 |
| **Bay Name** | BUS SECTION / EARTHING |  | **Order No.** | IMRK 001 986 - AP |
| **MAKER**  | ABB |  | **Aux. Voltage** | 125 VDC |
| **Flag Type** | Electrical Reset |  | **No. of Contacts** | 9 C / O |

#### 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 |  |
| 3 | Indication Checked |  |

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

|  |  |
| --- | --- |
| **Operate Coil**  | **Reset Coil**  |
| **Volts (V)** | **Current (mA)** | **Volts (V)** | **Current (mA)** |
|  |  |  |  |

Duty Range : 80 – 110 % of Ur

 Typical Pick up : 65 – 75 % **(Buyer’s Guide 1MRK 508 016-BEN)**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Operate Coil**  | **Contact** **Terminals** | **Reset Coil**  | **Contact** **Terminals** |
|  | 113 - 114 |  | 113 - 114 |

 Pick up Time : 4.0 ms Typical Values **(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**  | **Reset Coil**  |
| **Current (mA)** | **Watt (W)** | **Current (mA)** | **Watt (W)** |
|  |  |  |  |
|  |  |  |  |

 power consumption : (3.2) W **(Buyer’s Guide 1MRK 508 016-BEN)**