#### 1. GENERAL DATA AND INFORMATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Bay No.** |  |  | **Designation** | D1. 74 TSC1. DC |
| **Bay Name** |  |  | **Order No.** | RK 271 019 - AN |
| **MAKER** | ABB |  | **Aux. Voltage** | 110 - 125 VDC |
| **Flag Type** | Self Reset |  | **No. of Contacts** | Coil A : 1 NO + 2 NC  Coil B : 1 NO + 2 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 |  |
| 3 | Flag Operation Checked |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **COIL** | **Pick Up** | | **Drop Off** | |
| **Volts (V)** | **Current (mA)** | **Volts (V)** | **Current (mA)** |
| Coil A |  |  |  |  |
| Coil B |  |  |  |  |

Operating Range : < 0.8 Ur DROP OFF: > 0.05 UC

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **COIL** | **Pick up (ms)** | **Contact**  **Terminals** | **Drop Off (ms)** | **Contact**  **Terminals** |
| Coil A |  | 13 - 14 |  | 13 - 14 |
| Coil B |  | 23 - 24 |  | 23 - 24 |

Pick up Time : 20 : 30 ms

DROP OFF TIME : 5 : 10 ms

###### D. RELAY BURDEN TEST:

|  |  |  |  |
| --- | --- | --- | --- |
| **COLI** | **Voltage (V)** | **Current (mA)** | **Relay Burden Watts (W)** |
| Coil A | 125 |  |  |
| Coil B | 125 |  |  |

power consumption : 1.3 W