1. **GENERAL DATA AND INFORMATION:**

Bay No. : Rated Voltage : 48 - 250 V DC

Bay Name : Time Range : 1 ms – 99 h

Manufacturer : ABB Order No. : 1MRK 000 066-AB

Draw. & Sh. No. : No. of Contacts : 2 C / O

Designation No. : Function :

1. **MECHANICAL CHECKS AND VISUAL INSPECTION:**

|  |  |  |
| --- | --- | --- |
| **Item** | **Description** | **Checked** |
| 1 | Inspect for physical damage / defects. |  |
| 2 | Check Contacts. |  |
| 3 | Check Reset Operation. |  |
| 4 | Cut off Feature. |  |

1. **ELECTRICAL TEST :**

###### FUNCTION TEST:

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | CHECKED |
| 1 | All contact checked |  |
| 2 | All output contacts resistance checked |  |
| 3 | Flag Operation Checked |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **COIL** | **Pick Up** | | **Drop Off** | |
| **Volts (V)** | **Current (mA)** | **Volts (V)** | **Current (mA)** |
| 11 – 21 |  |  |  |  |

Operating voltage : 15 – 18 Vdc , Drop off : > 10 Vdc

(Table 1 Buyer’s guide 1MRK 508 002-BEN)

###### TIMING TEST : (AT 125 VDC)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Setting** | | | | **Measured**  **Operating Time** |
| **K** | **a** | **b** | **t = ( a + b ) K** |
| 1 s | 10 | 1 | 11 sec | sec |
| 0.1 | 20 | 2 | 2.2 sec | sec |
| 10 ms | 50 | 5 | 550 ms | msec |
| 1 ms | 90 | 9 | 99 ms | msec |

Limits : <0.5% of set value or 10 ms.

(Table 1 Buyer’s guide 1MRK 508 002-BEN)

###### RELAY BURDEN TEST:

|  |  |  |  |
| --- | --- | --- | --- |
| **Coil** | **Voltage (V)** | **Current (mA)** | **Relay Burden Watts (W)** |
| Before Operation | 125 |  |  |
| After Operation | 125 |  |  |

Power consumption before operation is up to 0.6 & after operation up to 3 Watts.

(Table 1 of Buyer’s Guide 1MRK 508 002- BEN)