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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GENERAL DATA AND INFORMATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Bay No. |  |  | Order No. | H3CR – A8 |
| Designation |  |  | Aux. Voltage | 100 - 125 VDC |
| Manufacturer | OMRON |  | Time Setting | 0.05 sec – 300 hours |
| No. of Contacts | 2 C/O Contacts |  |  |  |

MECHANICAL CHECKS AND VISUAL INSPECTION:

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | CHECKED |
| 1 | Inspect for any physical damage or defects. |  |
| 2 | Verify connections as per approved drawing. |  |
| 3 | Check tightness of all connections. |  |
| 4 | Check Contacts. |  |
| 5 | Check Reset Operation. |  |

FUNCTION TEST:

|  |  |  |
| --- | --- | --- |
| ITEM | DESCRIPTION | CHECKED |
| 1 | All contact checked |  |
| 2 | All output contacts resistance checked |  |
| 3 | LED Indication Checked |  |

* Test Equipments : **Severker**  SN:

 **Fluke** SN: Pickup / Drop off Voltage Test:

|  |  |  |
| --- | --- | --- |
| **Coil Ref.** | **Pick up** | **Drop off** |
| **Volts (V)** | **Current (mA)** | **Volts (V)** | **Current (mA)** |
| 7 - 2 |  |  |  |  |

Operating Voltage: 85% to 110% of rated supply Voltage ( According to relay catalogue page 4)Drop off : 10% max. of rated voltage  ( According to relay catalogue page 5)Timing Test : (As Rated Voltage)1. **ON DELAY TIME : (A) , FLICKERING MODE : (B2)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Range (sec)** | **Mode** | **Relay Setting** | **Operating Time** | **Error** | **Remark** |
| 0 - 1.2 | A | 0.3 ( 300 ms ) |  | ± 110 ms |  |
| 0 - 1.2 | A | 0.6 ( 600 ms ) |  | ± 110 ms |  |
| 0 - 1.2 | B2 | 0.2 ( 200 ms ) |  | ± 110 ms |  |
| 0 - 1.2 | B2 | 0.5 ( 500 ms ) |  | ± 110 ms |  |

±5% FS ±50 ms (See Note 4.) ( According to relay catalogue page 4)1. **Resetting Time Test :**

|  |  |  |
| --- | --- | --- |
| **Resetting** | **Expected** | **Measured** |
| 100 ms | m sec |

Relay Burden Test ( at 125 VDC ):

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

Power Consumption at 100 to 125 VDC: Relay ON: approx. (1.6 W)  Relay OFF: approx. (1.1 W) |