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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) |