

# Results for Current & Voltage Switch on MM3T

Name of Substation.....  
 Name of Feeder.....  
 Mfg. Nr.....

Date.....  
 C.T.R.....  
 P.T.R.....

## (A) VOLTAGE SWITCH ON TEST

| Relay          | For just glow of LP <sub>1</sub> Lamp or +18 V on test socket |                | For Max glow of LP <sub>1</sub> Lamp or +22.0 V on test socket |                | Remarks |
|----------------|---|----------------|--|----------------|---------|
|                | Theoretical Value   | Observed Value | Theoretical Value  | Observed Value |         |
| 1              | 2   | 3              | 4  | 5              | 6       |
| YTG<br>(Ph-Ph) |   | 1<br>2         |  | 1<br>2         |         |
| YTG<br>(Ph-N)  |   | 1<br>2         |  | 1<br>2         |         |

## (B) CURRENT SWITCH ON TEST

| Relay          | Current in m.A. for Max glow of LP <sub>1</sub> Lamp or +22.0 V on test socket |                           |     |     | Remarks |
|----------------|--|---------------------------|-----|-----|---------|
|                | Theoretical Value of Current   | Observed Value of Current |     |     |         |
|                |  | A-N                       | B-N | C-N |         |
| 1              | 2  | 3                         | 4   | 5   | 6       |
| YTG<br>(Ph-Ph) | 50 to 100mA  |                           |     |     |         |
| YTG<br>(Ph-N)  |  |                           |     |     |         |

- Notes :- (1) For relays having test socket measure D.C. voltage at pins +ve at 5 and -ve at 7 & 8 respectively and record both the values.  
 (2) In relays having test lamp LP<sub>1</sub> only one value have to be recorded.  
 (3) Instant trip operates at.....Amps.  
 (4) Check operation of 97 Z reed relay & record voltage.  
 (5) Check operation of 97 Y reed relay & Power Swing Blocking.

**WARNING :-** Perform Current Switch on test during Commissioning only and this should be performed as quickly as possible to avoid damage of voltage regulator.

## (C) CHECKING OF LINKS POSITION

- (a) Links LK<sub>3</sub> and LK<sub>6</sub> should be in horizontal position for Ph-Ph relay:.....
- (b) Links LK<sub>3</sub> and LK<sub>6</sub> should be in vertical position for Ph-N relay:.....
- (c) Links LK<sub>1</sub> to LK<sub>3</sub> in phase module are kept open in both YTG relays for electromagnetic VT's.....
- (d) Links LK<sub>1</sub> to LK<sub>3</sub> in phase module are kept closed in both YTG relays for CVT's.....
- (e) Link LK<sub>7</sub> should be vertical for 'OFF SET MHO' position -----
- (f) Links LK<sub>4</sub>, LK<sub>5</sub> & LK<sub>6</sub> of top module are connected as :- .....
- (g) Link LK<sub>22</sub> should be opened except for inter-block schemes :-.....
- (h) Check position of Link LK<sub>8</sub> for Power Swing Blocking :-.....

Countersigned by  
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Tested by  
 Assistant Engineer (T&C)