

| OVER CURRENT RELAY FIELD TEST RECORD Quality Control Form | | | | | | | | | | | | DOC No. | | |
|--|-----------|----------------------|----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------|----------------------|----------------------|----------------------|---------------------|---------|
| | | | | | | | | | | | | ISSUE DATE. : | | |
| | | | | | | | | | | | | PAGE.: of | | |
| EQUIP. LOCATION : | | | | | | PANEL No. : | | | | | | | | |
| MANUFACTURE : | | | | | | SERIAL No. : | | | | | | | | |
| RELAY TYPE : | | | | | | CELL No. : | | | | | | | | |
| AUX SUPPLY (V) : | | | | | | RATED FREQUENCY : | | | | | | | | |
| TEMP. : | | | | HUMIDITY : | | | | TEST DATE : | | | | | | |
| U aux | | SETTING : | | | | FREQUENCY : | | | | I CR | | | | |
| 1.0 OVERCURRENT PROTECTION (50 / 51) : Pick-Up / Drop Out Ratio x (93.5% ±5%) | | | | | | | | | | | | | | |
| 1.1 Operation Current & Sensitivity Check: | | | | | | | | | | | | | | |
| Function | C.T Ratio | Setting Value | | | ϕA | | | ϕB | | | ϕC | | | Remarks |
| | | Is(A) | T(s) | Curve | Pick-up | | Drop-out Thresholds | Pick-up | | Drop-out Thresholds | Pick-up | | Drop-out Thresholds | |
| | | | | | Theoretical Value(S) | Relay Value(S) | | Theoretical Value(S) | Relay Value(S) | | Theoretical Value(S) | Relay Value(S) | | |
| | | | | | | | | | | | | | | |
| 1.2 Operation Time Measurement : | | | | | | | | | | | | | | |
| Function | C.T Ratio | ϕA | | | | ϕB | | | | ϕC | | | | Remarks |
| | | AT 2 * Is | | AT 10 * Is | | AT 2 * Is | | AT 10 * Is | | AT 2 * Is | | AT 10 * Is | | |
| | | Theoretical Value(S) | Relay Value(S) | Theoretical Value(S) | Relay Value(S) | Theoretical Value(S) | Relay Value(S) | Theoretical Value(S) | Relay Value(S) | Theoretical Value(S) | Relay Value(S) | Theoretical Value(S) | Relay Value(S) | |
| | | | | | | | | | | | | | | |
| 2.0 EARTH-FAULT PROTECTION (50N / 51N) : Pick-Up / Drop Out Ratio x (93.5% ±5%) | | | | | | | | | | | | | | |
| 2.1 Operation Current & Sensitivity Check: | | | | | | | | | | | | | | |
| Function | C.T Ratio | Setting Value | | | Pick-Up Threshold | | Drop-Out | Remarks | | | | | | |
| | | Is(A) | T(s) | Curve | Theoretical Value(s) | Relay Value(s) | | | | | | | | |
| | | | | | | | | | | | | | | |
| 2.2 Operation Time Measurement : | | | | | | | | | | | | | | |
| Function | C.T Ratio | Time | | | | | | | | | | Remarks | | |
| | | AT 2 * Is | | | | | AT 10 * Is | | | | | | | |
| | | Theoretical Value(s) | | Relay Value(s) | | | Theoretical Value(s) | | Relay Value(s) | | | | | |
| | | | | | | | | | | | | | | |
| 3.0 NEURAL CURRENT (51G) : Pick-Up / Drop Out Ratio x (93.5% ±5%) | | | | | | | | | | | | | | |
| 3.1 Operation Current & Sensitivity Check: | | | | | | | | | | | | | | |
| Function | C.T Ratio | Setting Value | | | Pick-Up Threshold | | Drop-Out | Remarks | | | | | | |
| | | Is(A) | T(s) | Curve | Theoretical Value(s) | Relay Value(s) | | | | | | | | |
| | | | | | | | | | | | | | | |
| 3.2 Operation Current & Operation Time: | | | | | | | | | | | | | | |
| Function | C.T Ratio | Time | | | | | | | | | | Remarks | | |
| | | AT 2 * Is | | | | | AT 10 * Is | | | | | | | |
| | | Theoretical Value(S) | | Relay Value(S) | | | Theoretical Value(S) | | Relay Value(S) | | | | | |
| | | | | | | | | | | | | | | |
| Subcontractor : | | | | Contractor : | | | | Company : | | | | | | |
| Vendor's Engr. | | Date | | Name / Sign | | Date | | Name / Sign | | Date | | | | |
| Subcon Testing Team | | Date | | Date | | Date | | Date | | Date | | | | |

| OVER CURRENT RELAY FIELD TEST RECORD | | | | | | | | | | DOC No. | | | | |
|--|-------------------------|----------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------|------------------------|---------|
| | | | | | | | | | | ISSUE DATE. : | | | | |
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| EQUIP. LOCATION : | | | | | PANEL No. : | | | | | | | | | |
| MANUFACTURE : | | | | | SERIAL No. : | | | | | | | | | |
| RELAY TYPE : | | | | | CELL No. : | | | | | | | | | |
| AUX SUPPLY (V) : | | | | | RATED FREQUENCY : | | | | | | | | | |
| TEMP. : | | | HUMIDITY : | | | TEST DATE : | | | | | | | | |
| U aux | | SETTING : | | | FREQUENCY : | | | ICR | | | | | | |
| 4.0 UNDER-VOLTAGE PROTECTION (27) : | | | | | | | | | | | | | | |
| 4.1 Operation Voatage & sensitivity Check : | | | | | | | | | | | | | | |
| Function | ϕA | | | ϕB | | | ϕC | | | Remarks | | | | |
| | Pick-up | | Drop-out Thresholds | Pick-up | | Drop-out Thresholds | Pick-up | | Drop-out Thresholds | | | | | |
| | Theoretical Value(V) | Relay Value(V) | | Theoretical Value(V) | Relay Value(V) | | Theoretical Value(V) | Relay Value(V) | | | | | | |
| | | | | | | | | | | | | | | |
| 4.2 Operation Time Measurement : | | | | | | | | | | | | | | |
| Function | ϕA | | | ϕB | | | ϕC | | | Remarks | | | | |
| | Time (s) | | | Time (s) | | | Time (s) | | | | | | | |
| | Theoretical Value(s) | | Relay Value(s) | Theoretical Value(s) | | Relay Value(s) | Theoretical Value(s) | | Relay Value(s) | | | | | |
| | | | | | | | | | | | | | | |
| 5.0 RESTRICTED EARTH-FAULT PROTECTION (64) : | | | | | | | | | | | | | | |
| 5.1 Sensitivity Check : | | | | | | | | | | | | | | |
| Function | C.T Ratio | Setting Value | | | Pick-Up Threshold | | Drop-Out | Remarks | | | | | | |
| | | Is(A) | T(s) | Curve | Theoretical Value(s) | | | | | | | | | |
| | | | | | Relay Value(s) | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 5.2 Operation Time Measurement : | | | | | | | | | | | | | | |
| Function | C.T Ratio | Time | | | | | | Remarks | | | | | | |
| | | AT 2 * Is | | | AT 10 * Is | | | | | | | | | |
| | | Theoretical Value(s) | | Relay Value(s) | Theoretical Value(s) | | Relay Value(s) | | | | | | | |
| | | | | | | | | | | | | | | |
| 6.0 DIFFERENTIAL PROTECTION (87) : | | | | | | | | | | | | | | |
| 6.1 Operation Current & Sensitivity Check: | | | | | | | | | | | | | | |
| Function | C.T Ratio | Setting Value | | | ϕA | | | ϕB | | | ϕC | | | Remarks |
| | | Is(A) | T(s) | Curve | Pick-up | | Drop-out Thresholds | Pick-up | | Drop-out Thresholds | Pick-up | | Drop-out Thresholds | |
| | | | | | Theoretical Value(V) | Relay Value(V) | | Theoretical Value(V) | Relay Value(V) | | Theoretical Value(V) | Relay Value(V) | | |
| | | | | | | | | | | | | | | |
| REMARKS : | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Subcontractor : | | | | Contractor : | | | | Company : | | | | | | |
| Vendor's Engr. _____ | | | | Name / Sign _____ | | | | Name / Sign _____ | | | | | | |
| Data _____ | | | | Date _____ | | | | Date _____ | | | | | | |
| Subcon Testing Team _____ | | | | | | | | | | | | | | |
| Data _____ | | | | | | | | | | | | | | |