

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				

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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.		Data		Name / Sign		Date		Name / Sign		Date				
Subcon Testing Team				Data										