		DIgSILENT PowerFactory 15.1.7	Project:
			Date: 12/30/2022

Fault Locations with Feeders — Complete Report —
Short-Circuit Calculation / Method : ANSI — 2-Phase to Ground

Pre-fault Voltage	1.00 p.u.	Fault Impedance		NACD Mode	Interpolated
Consider Transformer Taps	No	Resistance, Rf	0.00 Ohm	Currents/Voltages for	LV/Interrupting
		Reactance, Xf	0.00 Ohm		

Grid: Grid — System Stage: Grid — Annex: / 1

	Rated Voltage [kV]	Equivalent Impedance R[Ohm]	Equivalent Impedance X[Ohm]	Symmetrical Current (E/Z) [kA]	Symmetrical Current (E/Z) [deg]	Apparent Power [MVA]	X/R ratio	Asym.RMS X/R based [kA]	Asym.Peak X/R based [kA]		
Bus8	230.00									Sym.Base [kA]	Tot.Base [kA]
Mom.Duty		0.950	40.761	4.509	130.48	598.791	45.918	7.470	8.868		
Zero-Seq		0.216	8.022						2 cycles	5.160	7.049
Neg.-Seq		0.170	39.474						3 cycles	5.372	6.426
Int.Duty		0.950	40.761	4.509	130.48	598.791	45.918		5 cycles	5.410	5.966
Zero-Seq		0.216	8.022						8 cycles	5.536	5.534
Neg.-Seq		0.170	39.474								
30-cycle		0.216	8.022	3.287	130.47	436.506					
Zero-Seq		0.216	8.022								
Neg.-Seq		0.170	39.474								
Line78		Mom.Duty		2.219	-53.20	294.622		7.470	8.868		
		Int.Duty		2.219	-53.20	294.622			2 cycles	5.160	7.049
		30-cycle		1.617	-53.21	214.761			3 cycles	5.372	6.426
									5 cycles	5.410	5.966
									8 cycles	5.536	5.534
Line89		Mom.Duty		0.796	-44.31	105.698		7.470	8.868		
		Int.Duty		0.796	-44.31	105.698			2 cycles	5.160	7.049
		30-cycle		0.580	-44.32	77.057			3 cycles	5.372	6.426
									5 cycles	5.410	5.966
									8 cycles	5.536	5.534
Line68		Mom.Duty		1.504	-46.85	199.732		7.470	8.868		
		Int.Duty		1.504	-46.85	199.732			2 cycles	5.160	7.049
		30-cycle		1.097	-46.86	145.609			3 cycles	5.372	6.426
									5 cycles	5.410	5.966
									8 cycles	5.536	5.534