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

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

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]	X[Ohm]	Symmetrical Current (E/Z) [kA]	[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	2.866	-179.20	380.619	71.980	4.824	5.671		
Zero-Seq		0.216	8.022						2 cycles	3.300	4.442
Neg.-Seq		0.170	39.474						3 cycles	3.393	4.066
Int.Duty		0.950	40.761	2.866	-179.20	380.619	71.980		5 cycles	3.449	3.746
Zero-Seq		0.216	8.022						8 cycles	3.489	3.461
Neg.-Seq		0.170	39.474								
30-cycle		0.216	8.022	2.350	-179.11	312.034					
Zero-Seq		0.216	8.022								
Neg.-Seq		0.170	39.474								
Line78		Mom.Duty		1.255	-0.69	166.669		4.824	5.671		
		Int.Duty		1.255	-0.69	166.669			2 cycles	3.300	4.442
		30-cycle		1.029	-0.60	136.628			3 cycles	3.393	4.066
									5 cycles	3.449	3.746
									8 cycles	3.489	3.461
Line89		Mom.Duty		0.583	179.14	77.381		4.824	5.671		
		Int.Duty		0.583	179.14	77.381			2 cycles	3.300	4.442
		30-cycle		0.478	179.23	63.441			3 cycles	3.393	4.066
									5 cycles	3.449	3.746
									8 cycles	3.489	3.461
Line68		Mom.Duty		1.029	179.95	136.708		4.824	5.671		
		Int.Duty		1.029	179.95	136.708			2 cycles	3.300	4.442
		30-cycle		0.844	-179.96	112.079			3 cycles	3.393	4.066
									5 cycles	3.449	3.746
									8 cycles	3.489	3.461