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

Fault Locations with Feeders — Complete Report —
Short-Circuit Calculation / Method : ANSI — Single 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 [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	4.513	-89.13	599.316	68.961	7.587	8.925		
Zero-Seq		0.216	8.022						2 cycles	5.386	7.263
Neg.-Seq		0.170	39.474						3 cycles	5.692	6.782
Int.Duty		0.950	40.761	4.513	-89.13	599.316	68.961		5 cycles	5.826	6.384
Zero-Seq		0.216	8.022						8 cycles	6.016	6.018
Neg.-Seq		0.170	39.474								
30-cycle		0.216	8.022	3.762	-89.06	499.506					
Zero-Seq		0.216	8.022								
Neg.-Seq		0.170	39.474								
Line78		Mom.Duty		2.134	90.88	283.310		7.587	8.925		
		Int.Duty		2.134	90.88	283.310			2 cycles	5.386	7.263
		30-cycle		1.778	90.95	236.118			3 cycles	5.692	6.782
									5 cycles	5.826	6.384
									8 cycles	6.016	6.018
Line89		Mom.Duty		0.836	90.84	111.069		7.587	8.925		
		Int.Duty		0.836	90.84	111.069			2 cycles	5.386	7.263
		30-cycle		0.697	90.91	92.575			3 cycles	5.692	6.782
									5 cycles	5.826	6.384
									8 cycles	6.016	6.018
Line68		Mom.Duty		1.543	90.86	204.937		7.587	8.925		
		Int.Duty		1.543	90.86	204.937			2 cycles	5.386	7.263
		30-cycle		1.286	90.93	170.812			3 cycles	5.692	6.782
									5 cycles	5.826	6.384
									8 cycles	6.016	6.018