Hi,

As I known, SLG kA to calculated by formula is

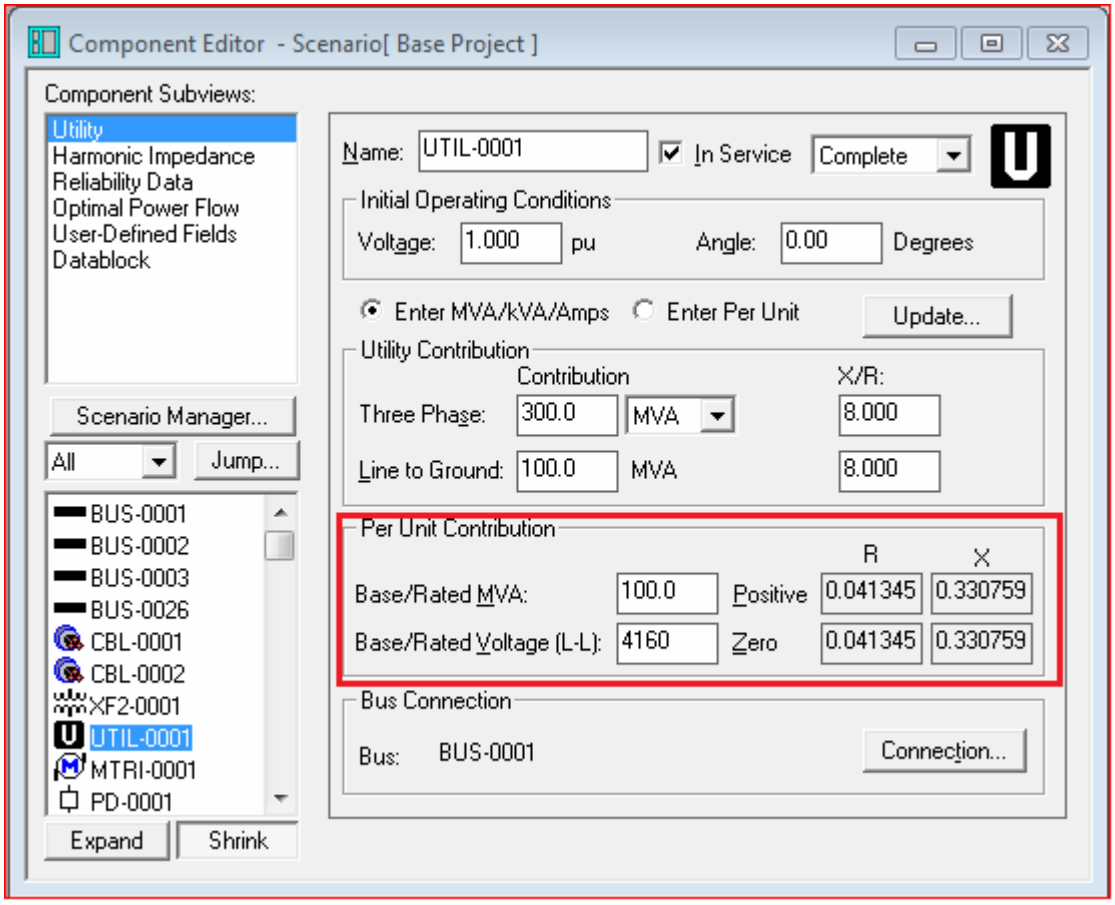
MVA(SLG) = sqrt(3)* KVA(LL) *I(SLG)

Hence, I(SLG)=3000/(1.732*230) = 7.53 kA

Please advise how to get the 22.678kA by calculated

B.R.

The equation you are using the calculate the SLG contribution is incorrect. Following is an example of how to calculate the SLG contribution from the source.



Utility per unit impedance on a 100 MVA base.

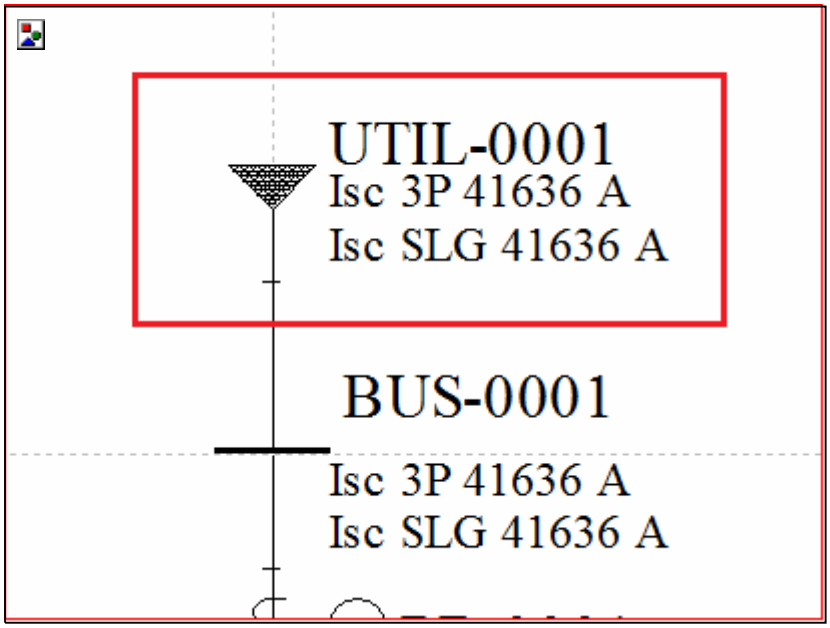
Positive sequence = 0.041345 + j0.330759 = Z1 = Z2

Zero sequence = 0.041345 + j0.330759 = Z0

Base current at the Utility Bus is { 100MVA/(1.732)(4160 V)} = 13878.61224 A

SLG = {3/(Z1+Z2+Z0)} = {3/[3(0.041345 + j0.330759)]} = (0.3721 – j2.9768) pu

SLG = (13878.61224 A)(0.3721 – j2.9768) = 41635.87 A



Best regards,