

From Swbd-MDP to Panel-HC

Circuit Electrical Characteristics

Phasing: Three Phase
Line-To-Line Voltage: 480 Volts
Line-To-Neutral Voltage: 277 Volts

Circuit Characteristics

Conduit Material: Steel
Conduit Footage: 80'
Conductor Arrangement: Single Conductors
Conductor Material: Copper
Conductors per Phase: 1
Phase Conductor Size: #4/0
Neutral Conductor Size: #4/0

Motor Contribution

Total Motor FLA: 26 Amps
Motor Contribution Factor: x4

Available Short-Circuit Current

Phases at Beginning of Circuit: 65,788 Amps
Neutral at Beginning of Circuit: 48,081 Amps
Phases at End of Circuit: 29,204 Amps
Neutral at End of Circuit: 18,619 Amps

Additional Information

(Approximations based on above 3-Phase L-L-L values)

Available Short-Circuit Current -
Phase-Phase (L-L): 25,408 Amps
Phase-Ground (L-G): 14,602 Amps
Phase-Neutral (L-N): 14,602 Amps

Arcing Fault Values for Sustained Arcs -
3-Phase (L-L-L) Arcing Fault: 25,992 Amps
Phase-Phase (L-L) Arcing Fault: 21,611 Amps
Phase-Ground (L-G) Arcing Fault: 11,098 Amps
