Xfmr-TC to Panel-LC

Circuit Electrical Characteristics

Phasing: Three Phase
Line-To-Line Voltage: 208 Volts
Line-To-Neutral Voltage: 120 Volts

Circuit Characteristics

Conduit Material: Steel
Conduit Footage: 10'
Conductor Arrangement: Single Conductors
Conductor Material: Copper
Conductors per Phase: 2
Phase Conductor Size: #3/0
Neutral Conductor Size: #3/0

Motor Contribution

Total Motor FLA: 60 Amps
Motor Contribution Factor: x4

Available Short-Circuit Current

Phases at Beginning of Circuit: 12,679 Amps
Neutral at Beginning of Circuit: 12,679 Amps
Phases at End of Circuit: 12,197 Amps
Neutral at End of Circuit: 11,866 Amps

Additional Information

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

Available Short-Circuit Current -
Phase-Phase (L-L): 10,611 Amps
Phase-Ground (L-G): 6,098 Amps
Phase-Neutral (L-N): 6,098 Amps

Arcing Fault Values for Sustained Arcs -
3-Phase (L-L-L) Arcing Fault: 10,855 Amps
Phase-Phase (L-L) Arcing Fault: 9,026 Amps
Phase-Ground (L-G) Arcing Fault: 4,635 Amps