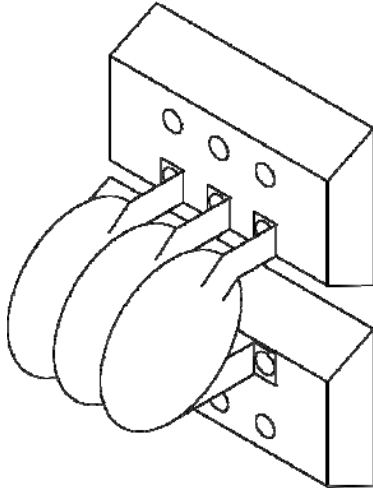


DESCRIPTION



The Surge Arrestor Kit was designed to prevent dielectric breakdown of high voltage MI heater cables due to power source transients.

ELECTRICAL DATA (8/20 μ s)

SA-277 277VAC Series:

Linear Clamping Region
510V @ 1mA
845V @ 200 Amps
Peak current (8/20 μ s) 25,000 Amps

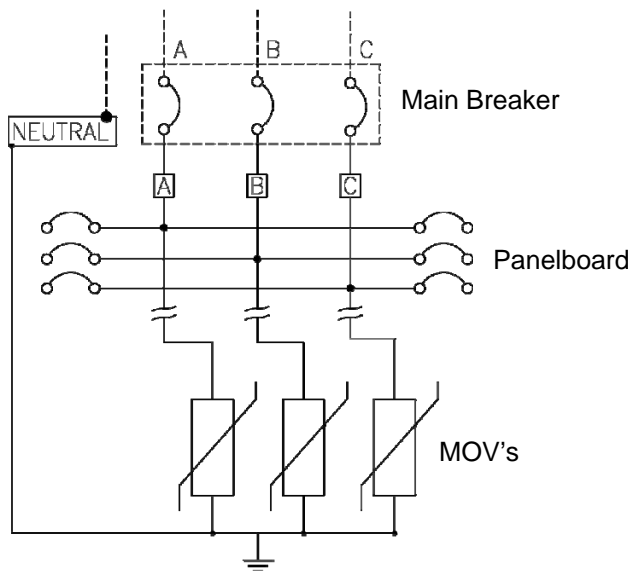
SA-480 480VAC Series:

Linear Clamping Region
910V @ 1mA
1570V @ 200 Amps
Peak current (8/20 μ s) 25,000 Amps

SA-600 600VAC Series:

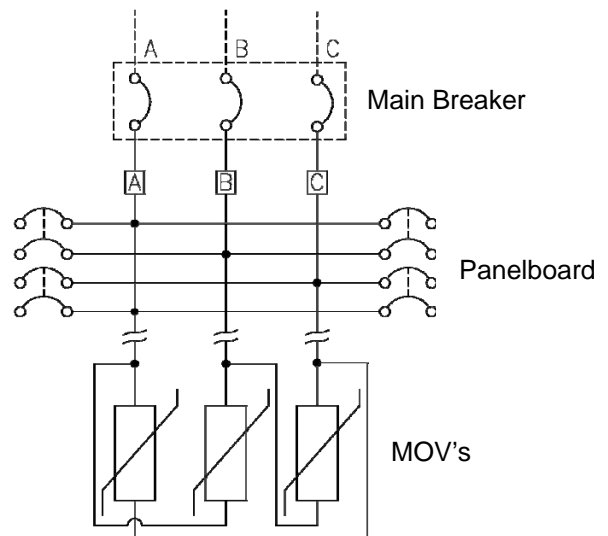
Linear Clamping Region
1050V @ 1mA
1820V @ 200 Amps
Peak current (8/20 μ s) 25,000 Amps

Wiring Diagram No. 1



3 Phase, 4 Wire
480VAC Wye, 277VAC Loads Only

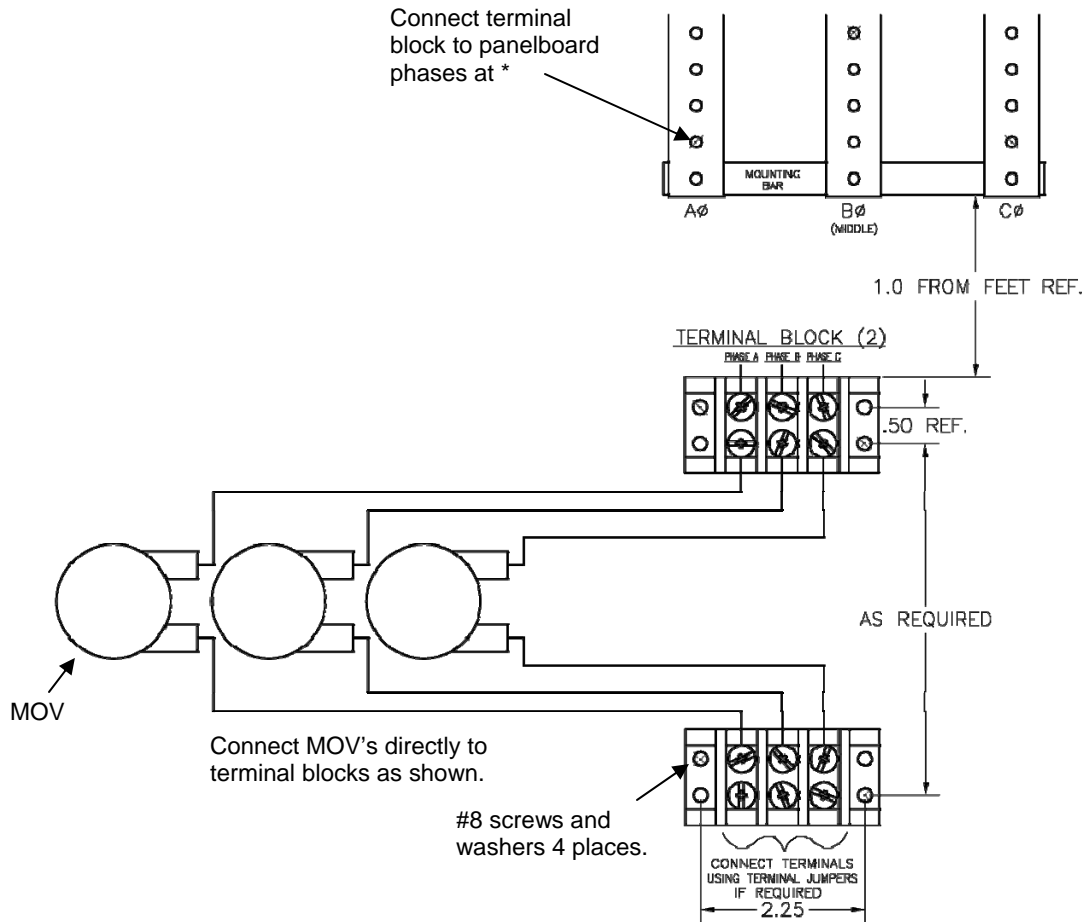
Wiring Diagram No. 2



3 Phase, 3 Wire
277, 480 or 600VAC Delta
3 Phase, 4 Wire
480VAC Wye, 480VAC Loads Only

Note: For systems utilizing both 277VAC and 480VAC loads, use wiring diagrams No.1 and No.2 (six MOV's).

INSTALLATION



INSTALLATION

1. Before installing these components, turn off the main power to the panelboard.
2. Attach phase wires to backside of panelboard bus.
3. B-phase should be connected under the B-Phase breaker connection.
4. Keep wires as short as possible.
5. Screw locations shown by (*).
6. Mount assembly on opposite end from Line In of panelboard.
7. Circuits should be connected based on proximity to phase or neutral. Do not maintain order shown if a shorter wire arrangement is found.
8. Drill sizes for #8 mounting screws:
10 ga. Steel pan - .140" dia. #28 drill bit
12 ga. Steel pan - .144" dia. #27 drill bit
9. Connection to panelboard bus may be made to existing screws in bus using #10 nuts (included).

Nelson Heat Tracing Systems products are supplied with a limited warranty. Complete Terms and Conditions may be found on Nelson's website at www.nelsonheaters.com.