

PADMOUNT DISTRIBUTION FUSE GEAR

Fuse gear using industry standard Cooper NX Arc-Strangler® Fuses, NX Clip-mounted® fuses, and X-Limiter® Fuses as well as S&C SMU-20® and SM-4®, and S&C SML with UniRupter® Fusing.

DEADFRONT FUSE CAPABILITIES

Deadfront fuse gear utilizes a hinge-mounted insulating barrier that covers the live parts compartment when removing or installing the fuse and uses industry standard separable connectors adhering to ANSI/IEEE 386

5051 Edison Ave.
Chino, CA 91710
Phone 909.594.9637
Fax 909.595.1054

DEADFRONT PADMOUNT DISTRIBUTION FUSE GEAR and LIVEFRONT PADMOUNT DISTRIBUTION FUSE GEAR

Scott Engineering, Inc. designs and manufactures a wide range of low-profile single and three phase fuse cabinets in both dead front and live front configurations. We offer fuse designs for 15 kV, 25 kV, and 35 kV voltage classes in a variety of configurations. Dead front designs offer a Fuse Replacement Access Door that maintains the integrity of the design with a hinged insulated barrier that automatically covers the energized compartment during fuse replacement. Our Fuse Gear uses industry standard current limiting fusing from S&C, Eaton Cooper Power Systems, and Hi-Tech. Additionally, dead front designs utilize industry standard ANSI/IEEE 386 sep-



Figure 1. 15 kV 200 A Fuse Gear with (2) Fused Ways

arable connectors which offer the ability to loadbreak and park the connected cable. Live front designs offer clip-style mountings or disconnect style mountings which allow for easier hookstick operation of the de-energized fuse.

Standard Features

- 2.4 kV to 38 kV Voltage Ratings
- Live Front or Dead Front Construction
- Loadbreak Fuse Mountings for live front gear
- 200 A or 600 A Bushing Configurations for dead front designs
- 12 Gauge Cold-Rolled Welded Steel Construction
- Coating System is a Polyamide-Cured Epoxy Primer and Aliphatic Polyurethane Finish Coat
- Silver-Plated Copper Bus with Porcelain or Cycloaliphatic insulators
- Meets ANSI C57.12.28 for Pad-Mounted Equipment Enclosure Integrity and Western Underground Committee Tamper Resistance Standards.
- Tamper-proof Louvers for Ventilation
- Padlockable Handle with Three-Point Door Latching and Captive Penta Head Bolt
- Stainless Steel Door Hinges and Hardware
- Positive Door Stop Locks Door in Open Position
- Lift-Off Provisions with Door in Open Position
- NEMA Grade 3/16" GPO-3 Individual Phase Barriers
- Removable and/or Spring-Mounted Access Barriers
- Base Constructed with Galvanized Channel
- Cross Kinked Roof for Strength and Watershed
- One-Line Circuit Diagram on Cabinet Door
- Stainless Steel Parking Stands for Dead Front Designs

Standard Configurations

Scott Engineering's Fuse Gear is available in a variety of industry-standard configurations

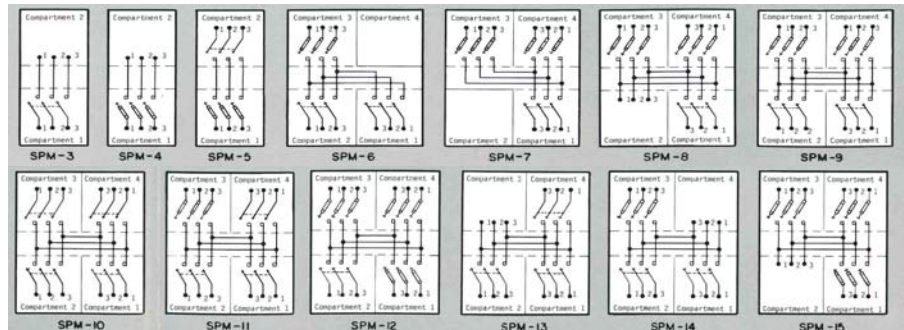


Figure 2. Fuse Gear Configurations

All of the Scott Engineering standard configurations are available with a combination of gang-operated air-break switches. Additionally, we commonly customize these standard configurations per your custom requirements.



Figure 3. Deadfront Fuse unit with base spacer and blown fuse viewing windows



Figure 4. Livefront design with load break fuse mountings and gang-operated air-break switched ways

Optional Features

- 304 Stainless Steel or Aluminum Cabinet construction
- Faulted Circuit Indicators (FCI)
- Viewing windows for FCI or blown fuse
- Lightning Arresters and Bracket
- Cable Guide Bracket
- Special Finish Color
- Special Non-Corrosive Finish
- Base Spacers or Ground Sleeves
- Optional Filters for Ventilating Louvers
- Replacement fuses with door mounted fuse holders
- Gang-Operated Switched ways
- Sensors or metering components

LIVEFRONT FUSE CAPABILITIES

Livefront fuse gear can utilize the clip-style mountings or load-break mountings such as the Cooper NX ArcStrangler[®] or the S&C SML UniRupter[®] for loadbreak capabilities up to 200 A.

SWITCH & FUSE DESIGNS

Scott Engineering commonly designs padmount equipment with a combination of gang-operated switches and fused ways.

For more information on any of our products please visit us on the Web at: www.scott-eng.com or contact your local Scott Engineering representative.