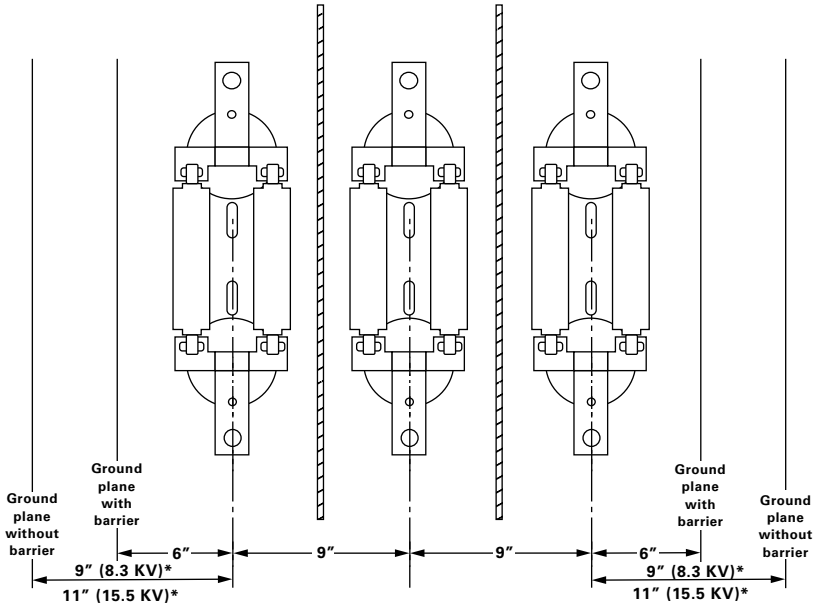
Type NX fuses mounting clearances



Powering Business Worldwide

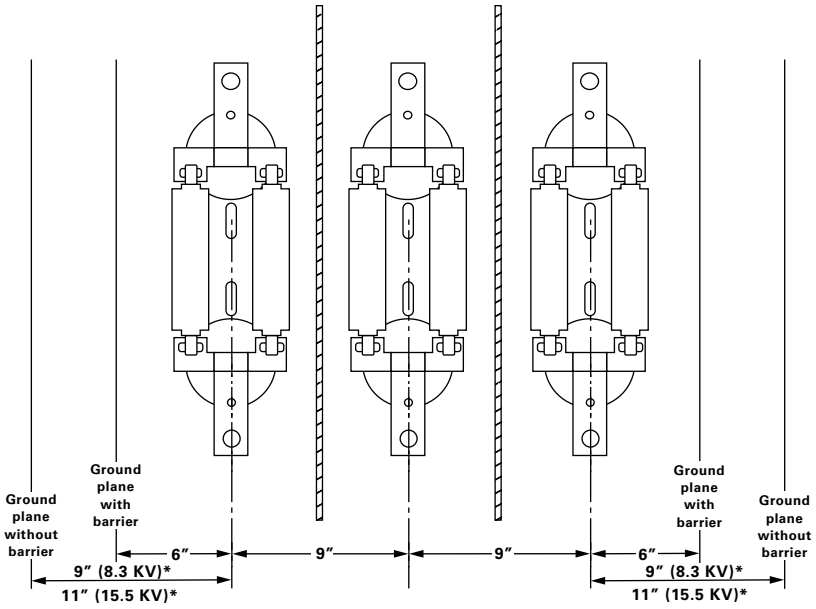
Type NX fuses mounting clearances

When larger fuse sizes are required than can be accommodated in multi-pole plate mountings cataloged, higher-current feed-through or three-phase installations can be accomplished by combining various single-pole NX mountings. The following general clearance information and application sketches will guide in the proper placement of these units.

1. **Arc-Strangler load break operation.** When fuses or switchblades with Arc-Strangler load break are being used, clearance from outer tips of the upper contact clip on mounting assembly to ground (in any direction) must be 6 inches for 8 .3 kv or below, and 8 inches for 15 .5 kv.
2. **Clearance around ends of barriers.** A minimum tightstring distance between live parts and ground around ends of insulating barriers is required to maintain BIL levels. For 75-kv BIL, minimum string distance is 4½-inches; for 95-kv BIL, minimum string distance is 6 inches.
3. **Characteristics of barrier material.** Insulation sheets made of ¼-inch thick Benelex No. 70 afford impulse strength equal to approximately 3 inches of air.

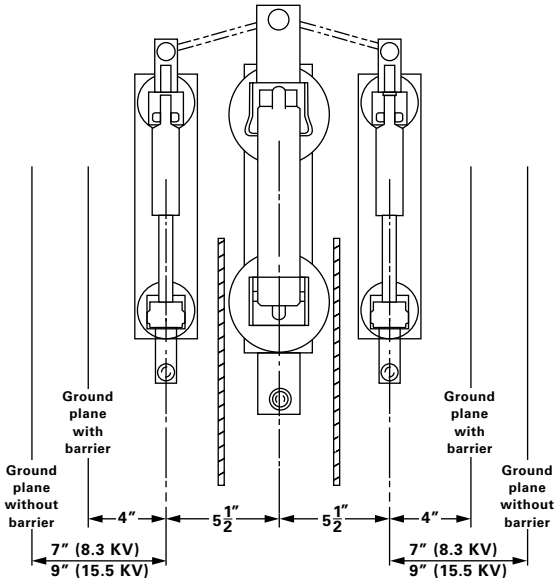
   Benelex No. 70 is not designed to withstand high voltage stress across its surface. Consequently, to prevent possible leakage current. equipment should be positioned such that live parts or insulated conductors do not come in direct contact with the barrier surface.
4. **Fuse or switchblade in open position.** During energized conditions, live parts must not be closer than 1 -inch from grounded parts to maintain adequate 60-Hertz withstand properties.

   Caution: This recommendation is for temporary operation only; clearance is not adequate to withstand impulse surges.

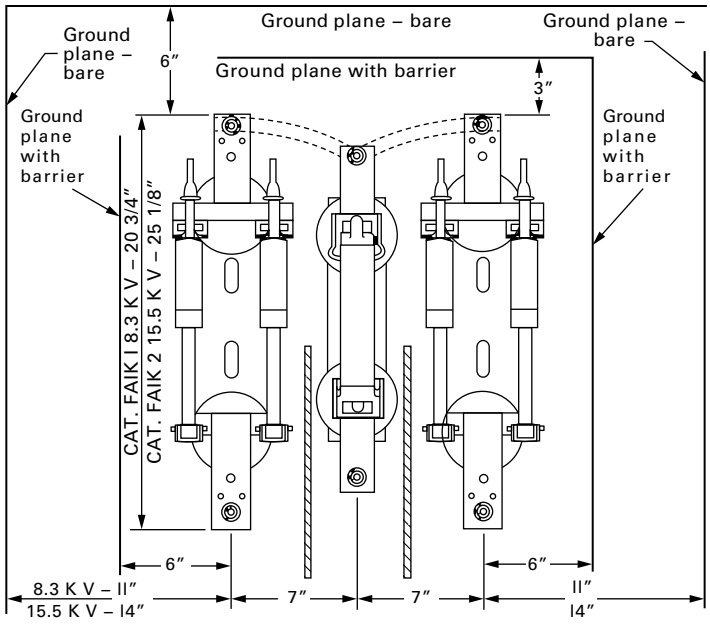


* 11-inch clearance is required for 15.5-kv fuses with Arc-Strangler load break. When clip-mounted fuses are used, 9-inch clearance is adequate for 15.5-kv, 95-kv BIL.

Three-phase NX fuse array of high-current parallel-fuse mountings.

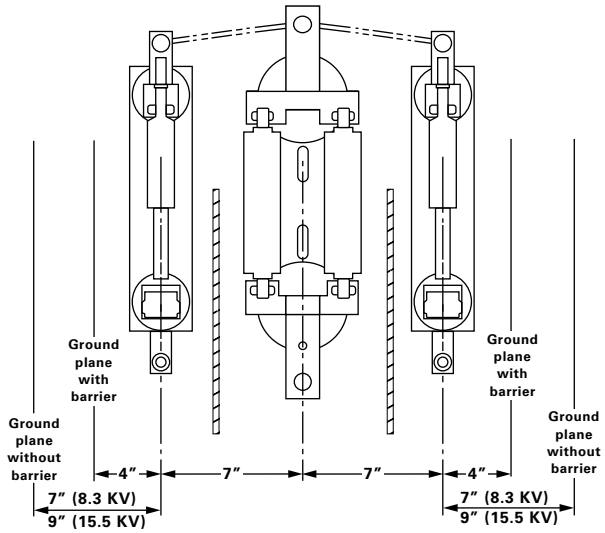


Single-phase feed-through arrangement, of arc-strangler load break switches and high-current NX unitized fuse mounting.

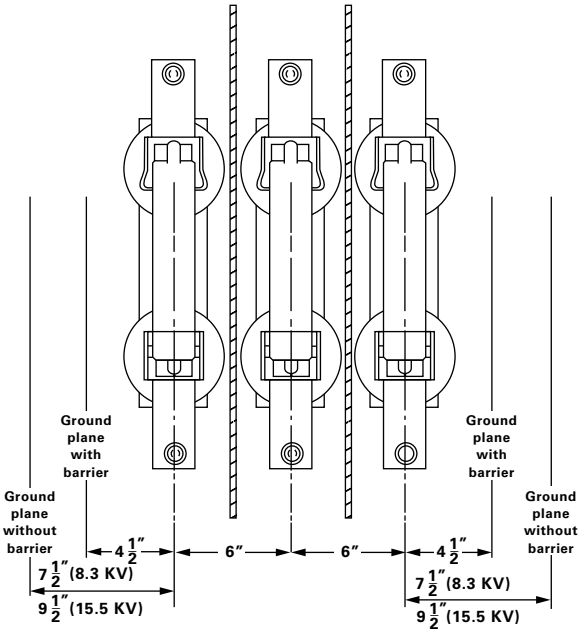


Single-phase Arc Strangler switch and NX fuse combination for a 300-amp feed-through connection using parallel switch mountings and an 80-amp (max) fused load tap.

Note: Although the Arc Strangler switch is capable of interrupting 300-amp loads a limited number of times, such usage reduces its life considerably.



Single-phase feed-through arrangement, of arc-strangler load break switches and high-current NX parallel-fuse mounting.



Three-phase NX fuse array of high-current unitized fuse mountings.

Note: Individual mountings are contained in Apparatus Catalog Section 240-60.

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