

CURRENT INTERRUPTING DEVICES

Arcing Horns

Arcing horns are designed to prevent arcing at the main switch contacts. They have no interrupting rating, however they are commonly used to interrupt small values of current such as transformer magnetizing current or the charging current of a short length of line.

Quick-Break

The quick-break circuit interrupter is capable of interrupting a limited amount of line charging or transformer magnetizing current. It provides high speed contact separation by the means of a spring loaded whip. For successful current interruption the rate of dielectric recovery must exceed the rate of restored voltage across the contacts.

The dielectric characteristics of air can be affected by atmospheric pressure, humidity, wind speed, etc. The rate of recovery voltage depends upon system configuration and operating parameters. For these reasons actual quick-break current interruption performance may vary from the guideline values provided.

Quick-Break Guideline Ratings

Voltage Rating (kV)	Line (Miles)	Current (Amps)	Transformer (MVA)	Loop Load (Amps)
34.5	60	11	35	70
46	50	10	35	70
69	40	10	35	70
115	25	9	75	70
138	20	7	75	70
161	Consult Factory			
230	Consult Factory			