

SERVICE	SURGE CAPACITY	COMMENTS
SERVICE ENTRANCE		
Over 3000A	450kA	STZ 450kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker or optional disconnect switch
2000-3000 A	High Exposure 450kA	STZ 450kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker or optional disconnect switch
	Medium Exposure 300kA	STZ 300kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker or optional disconnect switch
	Low Exposure 200kA	STZ 200kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker or optional disconnect switch
	Budget Value Eng 100kA	STXT 100kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Optional Audible Alarm and Dry Contacts. Feed with spare breaker.
1200-2000 A	High Exposure 300kA	STZ 300kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker or optional disconnect switch
	Medium Exposure 200kA	STZ 200kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker or optional disconnect switch
	Low Exposure 200kA	STXT 200kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Optional Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker
	Budget Value Eng 100kA	STXT 100kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Optional Audible Alarm and Dry Contacts. Feed with spare breaker.
800-1200 A	High Exposure 300kA	STZ 300kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker or optional disconnect switch
	Medium Exposure 200kA	STXT 200kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Optional Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker
	Low Exposure 100kA	STXT 100kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Optional Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker
	Budget Value Eng 50kA	STXR 50kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Feed with spare breaker
DISTRIBUTION PANEL / BRANCH		
600-1200 A	High Exposure 200kA	STZ 200kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker or optional disconnect switch
	Medium Exposure 200kA	STXP 200kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker
	Low Exposure 100kA	STXP 100kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker
	Budget Value Eng 50kA	STXR 50kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Feed with spare breaker
600A and Less	High Exposure 150kA	STZ 150kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Audible Alarm, Filtering, Dry Contacts, Feed with spare breaker or optional disconnect switch
	Medium Exposure 100kA	STXP 100kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Feed with spare breaker
	Low Exposure 100kA	STXP 100kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Feed with spare breaker
	Budget Value Eng 50kA	STXR 50kA, Type 1, 200kA SCCR, 20kA Nominal Discharge Current, Feed with spare breaker
NOTES		
Consideration of Client Exposure		
1) Lightning Surge Probability-location, history, relative height, utility connection		
2) Importance to safety of connected equipment		
3) Cost to repair of connected equipment		
4) Cost of downtime of connected equipment		