High Coltage Current Limiting Fuse

Limiting Fuse

Description

ELSP current-limiting backup fuse is used in series with low current primary protection devices such as a Bay-O-Net fuse. The ELSP fuse is designed for use in transformer oil, Envirotemp™ FR3™ fluid, or an approved equivalent.

The fuse's highly efficient current-limiting section minimizes the effects of high fault current stresses on equipment and the distribution system. Its minimum interrupting rating is coordinated with that of a low current interrupter to avoid undesirable low current operation; yet its maximum interrupting rating will clear the highest fault currents likely to occur. Higher continuous current ratings can be achieved by connecting two fuses in parallel.

Electrical ratings and characteristics

Type	Maximum interrupting current
8.3kV-15.5kV backup"C" rated	50,000A rms symmetrical
17.2kV backup"C" rated	43,000A rms symmetrical
23kV backup "C" rated	31,000A rms symmetrical
38kV backup "C" rated	50,000A rms symmetrical

Standard

In accordance with the IEEE Std C57.92™ standard

Installation:

No special tools are required. The fuse is liquid immersed, mounted as near as possible to the incoming primary bushing to which it is connected. Normal liquid dielectric clearances should be used.

Dimensional Information

Part Number	Voltage (kV)	Current Rating (A)	Dimension (mm)			
			A	B	MA	ϕC
XRNT4-8.3-30	8.3	30	248	216	M6	ϕ53
XRNT4-8.3-40		40	248	216	M6	ϕ53
XRNT4-8.3-50		50	356	324	M6	ϕ53
XRNT4-8.3-65		65	356	324	M6	ϕ53
XRNT4-8.3-80		80	356	324	M6	ϕ53
XRNT4-8.3-100		100	356	324	M6	ϕ53
XRNT4-8.3-125		125	356	324	M6	ϕ53
XRNT4-8.3-150		150	405	373	M6	ϕ53
XRNT4-15.5-30	15.5	30	248	216	M6	ϕ53
XRNT4-15.5-40		40	248	216	M6	ϕ53
XRNT4-15.5-50		50	356	324	M6	ϕ53
XRNT4-15.5-65		65	356	324	M6	ϕ53
XRNT4-15.5-80		80	356	324	M6	ϕ53
XRNT4-15.5-100		100	356	324	M6	ϕ53
XRNT4-15.5-125		125	356	324	M6	ϕ53
XRNT4-15.5-150		150	405	373	M6	ϕ53
XRNT4-23-30	23	30	494	462	M10	ϕ76
XRNT4-23-40		40	494	462	M10	ϕ76
XRNT4-23-50		50	494	462	M10	ϕ76
XRNT4-23-65		65	494	462	M10	ϕ76
XRNT4-23-80		80	494	462	M10	ϕ76
XRNT4-23-100		100	494	462	M10	ϕ76
XRNT4-23-125		125	600	567	M10	ϕ76
XRNT4-23-150		150	600	567	M10	ϕ76