

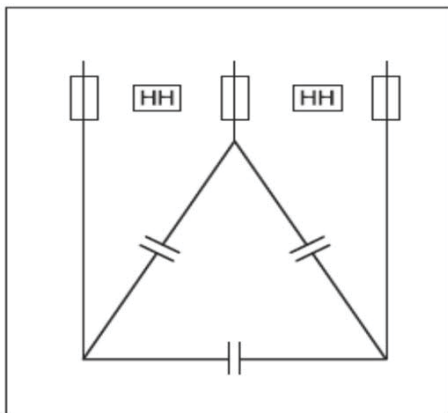
HHD-B Applications

Protection of Capacitors

Recommendation for the protection of capacitors with HHD fuses to DIN standard.

Assignment of rated currents of HHD fuses to capacitor ratings.

To control the occurring voltage during switch off, the fuse should be chosen with the next higher range, e.g. for a capacitor voltage at 10kV the fuse should be rated 20kV - see IEC 60549, Chapter II, Para 3.2.



Capacitor Rating	HV Fuse Selection					
	System Voltage(Line - Line) [kV]					
	6 - 7.2		10 - 12		20 - 24	
	Rated Voltage	Rated Current	Rated Voltage	Rated Current	Rated Voltage	Rated Current
[kVA]	[kV]	[A]	[kV]	[A]	[kV]	[A]
50		10		6.3		6.3
100		20		10		6.3
200		40		20		10
250		50		25		16
300		63		31.5		16
400	6 - 12	80	10 - 24	40	20 - 36	20
500		100		50		25
750		160		80		40
1 000		200		100		50
1 250		250		125		63
1 600		315		160		80
2 000		315		200		100