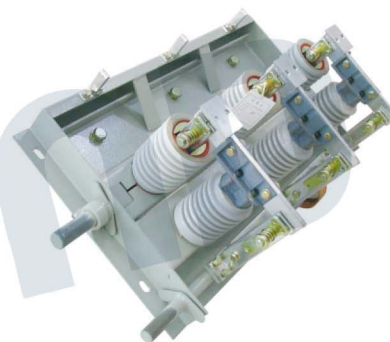


# GN30-12(D) Rotary Indoor AC HV Disconnect Switch

## Summary

GN30-12(D) disconnect switch is an indoor electric apparatus of rated voltage 12kV, three-phase AC50/60Hz. It is used to make break and transfer current for HV electric apparatus under situations with voltage and no-load. The switch applies rotary moving contact which is mounted on the switchgear easily. It adopts wall through installation as well.



## Ambient condition

1. Altitude:  $\leq 1000\text{m}$ ;
2. Ambient temperature:  $-25^{\circ}\text{C}\sim+40^{\circ}\text{C}$ ;
3. Relative humidity: daily average  $\leq 95\%$ , monthly average  $\leq 90\%$ ;
4. Earthquake intensity:  $\leq 8$  degree;
5. Applicable occasions should free from inflammables, explosives, corrosives and severe vibration.

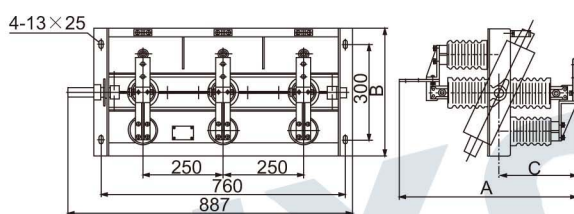
## Product feature

1. Scientific design and innovative structure.
2. Contacting points distribute on two planes, small operating moment, and release pressure to small and easy adjustment.
3. Improved driving and conducting part.
4. Column moving contact that can decrease operating strength and ensure reliability of circuit conduction.

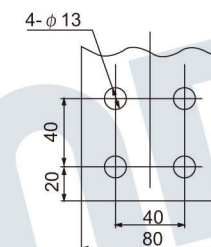
## Technical specification

Data		Model and specification				
		GN30-12/400-12.5	GN30-12/630-20	GN30-12/1000-31.5	GN30-12/1250-31.5	GN30-12/(1600-3150)-40
Item		GN30-12D/400-12.5	GN30-12D/630-20	GN30-12D/1000-31.5	GN30-12D/1250-31.5	GN30-12D/(1600-3150)-40
Rated voltage(kV)		12				
Rated current(A)		400	630	1000	1250	1600~3150
Rated short-time withstand current(kA)		12.5	20	31.5		40
Rated short-circuit duration(s)		4				
Rated peak withstand current(kA)		31.5	50	80		100
Rated insulating level	1min. PF withstand voltage(kV)	phase to phase/ to earth: 42, across open contacts: 49				
	Lightning impulse withstand voltage(kV)	phase to phase/ to earth: 75, across open contacts: 85				

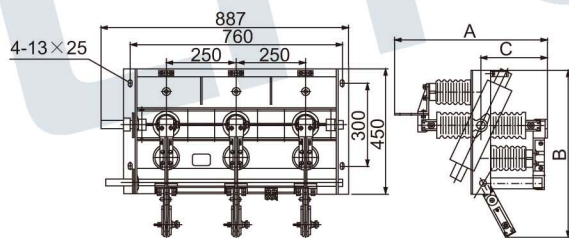
## Outline dimension



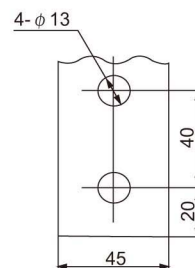
GN30-12/630/1000 Indoor HV disconnect switch



1000A connection terminal



GN30-12D/630/1000 Indoor HV disconnect switch



630A connection terminal