

## Technical data

Type	Fixed (Z) type				Drawout (D) type				Direct-drawout (DB) type - for MCSG					
	LVC-3Z -42□D	LVC-6Z -42□D	LVC-3Z -44□D	LVC-6Z -44□D	LVC-3D -42□D	LVC-6D -42□D	LVC-3D -44□D	LVC-6D -44□D	LVC-3DB -42□D	LVC-6DB -42□D	LVC-3DB -44□D	LVC-6DB -44□D		
Rated operation voltage	[kV]		3.3	6.6	3.3	6.6	3.3	6.6	3.3	6.6	3.3	6.6		
Rated voltage	Ur[kV]		3.6	7.2	3.6	7.2	3.6	7.2	3.6	7.2	3.6	7.2		
Rated operational current	Ie[A]		200		400		200		400		200			
Rated frequency	fr[Hz]		50/60											
Rated breaking current	(kA, O-3min-CO-2min-CO)		4											
Rated short-time current	(kA-sec)		2.4kA-30s, 4kA-10s, 6kA-2s, 6.3kA-1s, 8kA-0.5s, 10kA-0.1s											
Rated short-time peak current	(kApeak- 0.5Cycle)		60											
Switching frequency(AC3)	[op./hr]		E : Continuous 1200, L : Instantaneous 300											
Lifetime	Mechanical	[x 10,000operations]	E : Continuous 300, L : Instantaneous 50											
	Electrical	[x 10,000operations]	30											
Impulse withstand	Up[kVp]		60											
Dielectric strength	Ud[kV/1min]		20											
Excitation method			E : Continuous, L : Instantaneous											
Control voltage	[V]		AC 110V, AC 220V, DC 110V											
Auxiliary contact	Arrangement		Continuous 3a3b, Instantaneous 2a2b				2a2b				2a2b			
	Current	[A]	10 (AC)											
	Voltage	[V]	600max ~ 48min											
Max. Applicable	Motors	[kW]	750	1,500	1,500	3,000	750	1,500	1,500	3,000	750	1,500	1,500	3,000
	Transformers	[kVA]	1,000	2,000	2,000	4,000	1,000	2,000	2,000	4,000	1,000	2,000	2,000	4,000
	Capacitors	[kVA]	750	1,500	1,200	2,000	750	1,500	1,200	2,000	750	1,500	1,200	2,000
Weight	[kg]		24				41				56			

Note) 고정형 상시조작형은 6a6b 가능

## Power fuse

Power fuses can be installed into combination(G, GB) type contactors for the protection of equipments and systems from short-circuit.

Fuse ratings are selected properly after system analysis and some accessories such as fuse link clips should be selected by the fuse rating.





Type	Combination drawout (G) type				Combination direct-drawout (GB) type - for MCSG			
	LVC-3G -42□D	LVC-6G -42□D	LVC-3G -44□D	LVC-6G -44□D	LVC-3GB -42□D	LVC-6GB -42□D	LVC-3GB -44□D	LVC-6GB -44□D
Rated operation voltage [kV]	3.3	6.6	3.3	6.6	3.3	6.6	3.3	6.6
Rated voltage Ur[kV]	3.6	7.2	3.6	7.2	3.6	7.2	3.6	7.2
Rated operational current Ie[A]	200		400		200		400	
Rated frequency fr[Hz]	50/60							
Rated breaking current (kA, O-3min-CO-2min-CO)	4 kA (40kA with fuse)							
PF Combination Rated breaking current	Making		40kA					
	Breaking		40kA					
	take over(O-3min-O-3min-O)		4kA					
Rated short-time current (kA-sec)	2.4kA-30s, 4kA-10s, 6kA-2s, 6.3kA-1s, 8kA-0.5s, 10kA-0.1s							
Rated short-time peak current (kApeak-0.5Cycle)	60							
Switching frequency(AC3) [op./hr]	E : Continuous 1200, L : Instantaneous 300							
Lifetime	Mechanical [x 10,000operations]	E : Continuous 300, L : Instantaneous 50						
	Electrical [x 10,000operations]	30						
Impulse withstand Up[kVp]	60							
Dielectric strength Ud[kV/1min]	20							
Excitation method	E : Continuous, L : Instantaneous							
Control voltage [V]	AC 110V, AC 220V, DC 110V							
Auxiliary contact	Arrangement	2a2b						
	Current [A]	10 (AC)						
	Voltage [V]	600max ~ 48min						
Weight [kg]	46				62			

Note) 적용부하용량은 파워퓨즈의 정격에 따라 상이합니다.

## Power fuse ratings combination type

Standard	Type	Rated voltage(kV)	Rated current(A)	Diameter (mm)	- (mm)	Application	
DIN type	LFL-3/6G-□B	3.6/7.2	5, 10, 20, 30, 40, 50, 63, 75, 100	45	192	All application including transformers, motors and capacitors	
	LFL-3/6G-□B	3.6/7.2	125 <sup>Note1)</sup>		292		
	LFL-3G-□B	3.6	160, 200		292		
	LFL-6G-□B	7.2	160, 200		292		
KS type	General use	LFL-3/6G-□	5(T1.5), 10(T3), 20(T7.5), 30(T15), 40(T20), 50(T30), 60(T30)	50	261	General use transformers capacitors.	
			75(T50), 100(T75)	60	311		
		LFL-3G-□	150(T100), 200(T150)	60	311		
			300(T250), 400(T300)	77	311		
	For motors	LFL-6G-□	150(T100), 200(T150)	77	311		
			LFL-3M-□	3.6	M20, M50, M100		60
		LFL-6M-□	M150, M200	77	200		
			M300(M400) <sup>Note2)</sup>	87	250		
LFL-6M-□	7.2	M20, M50	60	311			
	M100, M150, M200	77	350				
		M300(M400) <sup>Note2)</sup>	87	450			

Note1) 퓨즈 정격전류가 100A를 초과시 퓨즈체커를 이용한 VC 연동을 금지합니다.

Note2) M400적용시 자사와 협의 바랍니다.

\* LFL-6G-300, 400은 VC에 포함이 불가합니다.