

Rating and Selection

Magnetic Contactor: HGC 630 - 800 A

Rating


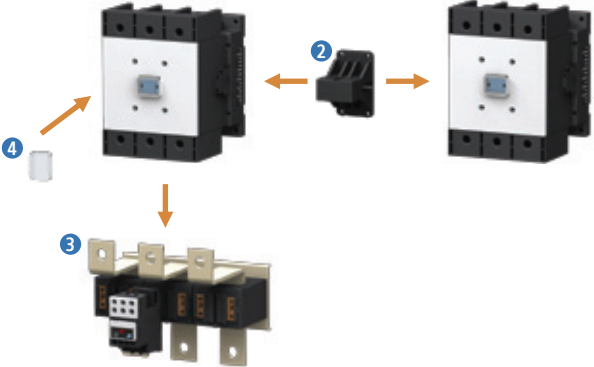


Model				HGC630	HGC800	
IEC 60947-4	Rated Insulation Voltage [U _i]		V	1,000	1,000	
	Rated Operational Voltage [U _e]		V	1,000	1,000	
	Rated Impulse Withstand Voltage [U _{imp}]		kV	8	8	
	Rated Thermal Current [I _{th}] (AC1)		A	750	900	
	AC3	200 - 240 V		kW/A	190/630	220/800
		380 - 440 V			330/630	440/800
		500 - 550 V			330/500	500/720
		660 - 690 V			400/412	500/630
		1,000 V			300/213	400/284
	Lifetime	Electrical	10,000	50	50	
				Mechanical	500	500
	AC4	200 - 240 V		kW/A	110/400	160/630
		380 - 440 V			200/400	300/630
	Electrical Lifetime		10,000	3	3	
	AC1,2,3 Operating Frequency (per hour)	100 % load		Times	300	300
		50 % load (DC)			600	600
		20 % load (DC)			1,200	1,200
	AC4 Operatiog Frequency (per hour)	100 % load		Times	150	150
50 % load		300	300			
Making Capacity	220 V		A	6,300	8,000	
	440 V			6,300	8,000	
Breaking Capacity	220 V		A	5,040	6,400	
	440 V			5,040	6,400	
Mounting Method				Screw		
Contacts	Main	AC/DC		2NO2NC		
	Auxilliary ¹⁾	AC/DC		2NO2NC		
Dimensions	AC/DC	W x H x D	mm	276 x 314 x 255.3		
Weight	AC/DC		kg	25		
Contact Arrangement						
Main	Main	3a				
	Auxilliary	2a2b				
Main + Auxilliary (2a2b)	Main	3a				
	Auxilliary	4a4b				

※ - Auxilliary Contacts Usage: Please refer to page 48 - 49.

¹⁾ Maximum number of side auxilliary contacts.

Accessories

Auxiliary Contacts	Other Accessories
	
<p>① Auxiliary Contact Block (Side Mounting) HGC SB 800 - 48 page</p>	<p>② Mechanical Interlock Block HGC IU 800 - 50 page</p> <p>③ Thermal Overload Relay HGT 800 - 40 page</p> <p>④ Front Safety Cover HGCFC 800 - 55 page</p>

Order Information

• Standard Order (w/protection cover, w/o accessories) / Auxiliary Contacts: 2NO2NC

Voltage (V)	Voltage Band (V)	HGC630	HGC800
110	AC100 - 127 DC100 - 110	HGC630 22NS F110	HGC800 22NS F110
220	AC200 - 240 DC200 - 220	HGC630 22NS F220	HGC800 22NS F220
440	AC380 - 450	HGC630 22NS F440	HGC800 22NS F440