HG-SERIES

Magnetic Contactor HGC 9 - 800 AF
Thermal Overload Relays HGT 9 - 800 AF

Contactor (HGC)

Overload Relay (HGT)

	18 AF	40 AF	65 AF	100 AF
HGC Rated Current Rated Insulation Voltage	9, 12, 18 A 750 V	25, 32, 40 A 750 V	50, 65 A 1,000 V	75, 85, 100 A 1,000 V
HGT Setting Current Protection Grade	0.12 - 18 A Class 10A	7 - 40 A Class 10A	7 - 65 A Class 10A	17 - 100 A Class 10A

150 AF	265 AF	500 AF	800 AF
115, 130, 150 A 1,000 V	185, 225, 265 A 1,000 V	300, 400, 500 A 1,000 V	630, 800 A 1,000 V
48 - 150 A Class 10A	48 - 265 A Class 10A	90 - 500 A Class 10A	378 - 800 A Class 10A

Model Selection Table

Magnetic Contactors: 9 - 100 AF

Model					HGC9	HGC12	HGC18	HGC25	HGC32	HGC40
IEC 60947-4	Rated Insulation Voltage [Ui]			V	750	750	750	750	750	750
	Rated Operational Voltage [Ue]			V	690	690	690	690	690	690
	Rated Impulse Withstand Voltage [Uimp]			kV	6	6	6	6	6	6
	Rated Thermal Current [Ith] (AC1)			A	25	25	40	45	55	60
	AC3	200 - 240 V		kW/A	2.5/9	3.5/12	4.5/18	5.5/25	7.5/32	11/40
		380 - 440 V			4/9	5.5/12	7.5/18	11/25	15/32	18.5/40
		500 - 550 V			4/7	7.5/12	8.5/13	15/22	18.5/28	22/32
		660 - 690 V			4/6	7.5/9	7.5/9	15/17	18.5/20	22/23
		1,000 V			-	-	-	-	-	-
		Lifetime	Electrical	10,000 Times	250	250	250	250	200	200
			Mechanical		1,500	1,500	1,500	1,500	1,500	1,500
	AC4	200 - 240 V		kW/A	1.5/8	2.2/11	3.7/16	3.7/18	4.5/22	5.5/25
		380 - 440 V			2.2/6	4/9	4/11	5.5/13	7.5/17	11/24
		Electrical Lifetime		10,000 Times	3	3	3	3	3	3
Mounting Method					Screw & DIN-Rail			Screw & DIN-Rail		
Contacts		Main	AC		1NO1NC or 2NO2NC			1NO1NC or 2NO2NC		
			DC		1NO1NC or 2NO2NC			1NO1NC or 2NO2NC		
		Auxilliary	AC		2NO2NC			2NO2NC		
			DC		2NO2NC			2NO2NC		
Dimensions		AC	W x H x D	mm	45 x 94.2 x 91.1			45 x 99.6 x 96.6		
		DC			45 x 94.2 x 124			45 x 99.6 x 129.5		

Model					HGC50	HGC65	HGC75	HGC85	HGC100
IEC 60947	Rated Insulation Voltage [Ui]			V	1,000	1,000	1,000	1,000	1,000
	Rated Operational Voltage [Ue]			V	690	690	690	690	690
	Rated Impulse Withstand Voltage [Uimp]			kV	8	8	8	8	8
	Rated Thermal Current [Ith] (AC1)			A	70	85	115	125	145
	AC3	200 - 240 V		kW/A	15/50	18.5/65	22/75	25/85	30/100
		380 - 440 V			22/50	30/65	37/75	45/85	55/100
		500 - 550 V			30/43	33/60	37/64	50/75	55/85
		660 - 690 V			30/28	33/35	37/42	45/45	50/65
		1,000 V			-	-	-	-	-
		Lifetime	Electrical	10,000 Times	200	200	200	200	200
			Mechanical		1,500	1,500	1,000	1,000	1,000
	AC4	200 - 240 V		kW/A	7.5/35	11/50	13/55	15/65	17/72
		380 - 440 V			15/32	22/47	25/52	30/62	33/68
		Electrical Lifetime		10,000 Times	3	3	3	3	3
Mounting Method					Screw & DIN-Rail		Screw & DIN-Rail		
Contacts		Main	AC		1NO1NC or 2NO2NC		1NO1NC or 2NO2NC		
			DC		2NO1NC		2NO1NC		
		Auxilliary	AC		2NO2NC		2NO2NC		
			DC		1NO1NC		1NO1NC		
Dimensions		AC	W x H x D	mm	55 x 123.6 x 129		70 x 146 x 153		
		DC			55 x 123.6 x 129		70 x 146 x 153		

Thermal Overload Relays: 18 - 100 AF

Model (Basic)			HGT18	HGT40	HGT65	HGT100
3 Phase, 2 Elements			HGT18H	HGT40H	HGT65H	HGT100H
3 Phase, 3 Elements (Loss Phase Protection)			HGT18K	HGT40K	HGT65K	HGT100K
Nominal Current		A	0.12 - 18	7 - 40	7 - 65	17 - 100
Setting Current (Min. - Max.)		A	0.12 - 0.18 0.18 - 0.26 0.25 - 0.35 0.34 - 0.5 0.5 - 0.7 0.6 - 0.9 0.8 - 1.2 1.1 - 1.6 1.5 - 2.1 2 - 3 2.8 - 4.2 3 - 5 4 - 6 5.6 - 8 6 - 9 8 - 12 12 - 18	7 - 10 8 - 12 12 - 18 15 - 22 17 - 25 22 - 32 28 - 40	7 - 10 8 - 12 12 - 18 15 - 22 17 - 25 22 - 32 28 - 40 34 - 50 45 - 65	17 - 25 22 - 32 28 - 40 34 - 50 45 - 65 52 - 75 59 - 85 70 - 100
Auxilliary Contacts			1NO1NC	1NO1NC	1NO1NC	1NO1NC
Reset			Manual & Automatic	Manual & Automatic	Manual & Automatic	Manual & Automatic
Dimensions	W x H x D	mm	45 x 78.2 x 82.7	45 x 80.7 x 95.5	55 x 89.3 x 110.7	70 x 105 x 128.1

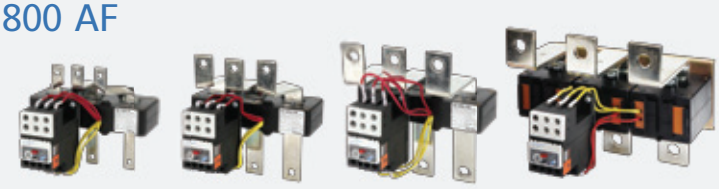
Model Selection Table

Magnetic Contactors: 115 - 800 AF

Model					HGC115	HGC130	HGC150	HGC185	HGC225	HGC265
IEC 60947-4	Rated Insulation Voltage [Ui]			V	1,000	1,000	1,000	1,000	1,000	1,000
	Rated Operational Voltage [Ue]			V	1,000	1,000	1,000	1,000	1,000	1,000
	Rated Impulse Withstand Voltage [Uimp]			kV	8	8	8	8	8	8
	Rated Thermal Current [Ith] (AC1)			A	160	180	210	275	315	350
	AC3	200 - 240 V		kW/A	37/115	40/130	45/150	55/185	75/225	80/265
		380 - 440 V			60/115	65/130	75/150	90/185	132/225	147/265
		500 - 550 V			59/100	70/120	90/140	110/180	132/200	150/225
		660 - 690 V			55/65	75/82	90/120	110/120	132/150	160/173
		1,000 V			65/50	75/54	90/66	110/78	132/96	160/113
		Lifetime	Electrical	10,000 Times	100	100	100	100	100	100
			Mechanical		500	500	500	500	500	500
	AC4	200 - 240 V		kW/A	19/80	22/93	30/125	37/150	45/185	50/200
		380 - 440 V			37/75	45/90	55/110	75/150	90/185	102/200
		Electrical Lifetime		10,000 Times	3	3	3	3	3	3
Mounting Method					Screw			Screw		
Contacts	Main				2NO2NC			2NO2NC		
	Auxiliary				2NO2NC			2NO2NC		
Dimensions	W x H x D			mm	103 x 155 x 145.1			138 x 204 x 174.2		

Model					HGC300	HGC400	HGC500	HGC630	HGC800
IEC 60947	Rated Insulation Voltage [Ui]			V	1,000	1,000	1,000	1,000	1,000
	Rated Operational Voltage [Ue]			V	1,000	1,000	1,000	1,000	1,000
	Rated Impulse Withstand Voltage [Uimp]			kV	8	8	8	8	8
	Rated Thermal Current [Ith] (AC1)			A	400	500	550	750	900
	AC3	200 - 240 V		kW/A	90/300	125/400	140/500	190/630	220/800
		380 - 440 V			160/300	220/400	250/500	330/630	440/800
		500 - 550 V			200/273	250/300	300/426	330/500	500/720
		660 - 690 V			200/220	250/300	335/360	400/412	500/630
		1,000 V			200/141	250/178	275/192	300/213	400/284
		Lifetime	Electrical	10,000 Times	100	100	50	50	50
			Mechanical		500	500	500	500	500
	AC4	200 - 240 V		kW/A	55/220	75/300	90/350	110/400	160/630
		380 - 440 V			110/220	150/300	175/350	200/400	300/630
		Electrical Lifetime		10,000 Times	3	3	3	3	3
Mounting Method					Screw			Screw	
Contacts	Main				2NO2NC			2NO2NC	
	Auxiliary				2NO2NC			2NO2NC	
Dimensions	W x H x D			mm	163 x 243 x 203			276 x 314 x 255.3	

Thermal Overload Relays: 150 - 800 AF

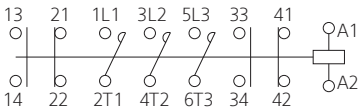
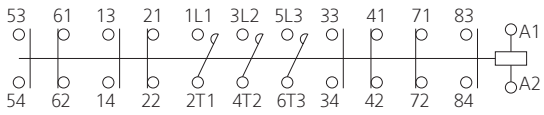


Model (Basic)			HGT150	HGT265	HGT500	HGT800
3 Phase, 2 Elements			HGT150H	HGT265H	HGT500H	HGT800H
3 Phase, 3 Elements (Loss Phase Protection)			HGT150K	HGT265K	HGT500K	HGT800K
Nominal Current		A	48 - 150	48 - 265	90 - 500	378 - 800
Setting Current (Min. - Max.)		A	48 - 80 69 - 115 78 - 130 90 - 150	48 - 80 69 - 115 78 - 130 90 - 150 111 - 185 135 - 225 159 - 265	90 - 150 111 - 185 135 - 225 159 - 265 180 - 300 240 - 400 300 - 500	378 - 630 480 - 800
Auxilliary Contacts			1NO1NC	1NO1NC	1NO1NC	1NO1NC
Reset			Manual & Automatic	Manual & Automatic	Manual & Automatic	Manual & Automatic
Dimensions	W x H x D	mm	180 x 159 x 179.3	180 x 185 x 179.3	180 x 205.2 x 179.3	245 x 197 x 209.9

Rating and Selection

Magnetic Contactor: HGC 9 ~ 18 A

Rating

Model					HGC9	HGC12	HGC18
IEC 60947-4	Rated Insulation Voltage [Ui]			V	750	750	750
	Rated Operational Voltage [Ue]			V	690	690	690
	Rated Impulse Withstand Voltage [Uimp]			kV	6	6	6
	Rated Thermal Current [Ith] (AC1)			A	25	25	40
	AC3	200 ~ 240 V		kW/A	2.5/9	3.5/12	4.5/18
		380 ~ 440 V			4/9	5.5/12	7.5/18
		500 ~ 550 V			4/7	7.5/12	8.5/13
		660 ~ 690 V			4/6	7.5/9	7.5/9
		1,000 V			-	-	-
		Lifetime	Electrical	10,000 Times	250	250	250
			Mechanical		1,500	1,500	1,500
	AC4	200 ~ 240 V		kW/A	1.5/8	2.2/11	3.7/16
		380 ~ 440 V			2.2/6	4/9	4/11
		Electrical Lifetime		10,000 Times	3	3	3
	AC1,2,3 Operating Frequency (per hour)	100 % load		Times	1,000	1,000	1,000
		50 % load (DC)			2,000	2,000	2,000
		20 % load (DC)			3,600	3,600	3,600
	AC4 Operationg Frequency (per hour)	100 % load		Times	300	300	300
		50 % load			600	600	600
	Making Capacity	220 V		A	110	130	180
		440 V			90	120	180
	Breaking Capacity	220 V		A	88	104	144
		440 V			72	96	144
Mounting Method					Screw & DIN-Rail		
Contacts		Main	AC		1NO1NC or 2NO2NC		
			DC		1NO1NC or 2NO2NC		
			AC/DC		-		
		Auxiliary	AC		2NO2NC		
			DC		2NO2NC		
			AC/DC		-		
Dimensions		AC	W x H x D	mm	45 x 94.2 x 91.1		
		DC			45 x 94.2 x 124		
		AC/DC			-		
Weight		AC		kg	0.4		
		DC			0.6		
		AC/DC			-		
Contact Arrangement							
Main		Main		3a			
		Auxilliary		2a2b			
Main + Auxilliary (2a2b)		Main		3a			
		Auxilliary		4a4b			

※ - Auxiliary Contacts Usage: Please refer to 48 ~ 49 page

1) Possible auxiliary contacts combination -> A Contact: maximum 6a, B Contact: maximum 4b

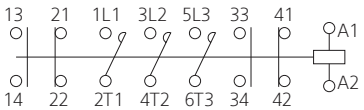
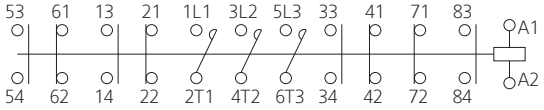
2) When using 4a4b by side auxillary block, front auxillary block is not applicable.

3) When using main 2a2b, front auxillary block is applicable.

Rating and Selection

Magnetic Contactor: HGC 25 ~ 40 A

Rating

Model					HGC25	HGC32	HGC40
IEC 60947	Rated Insulation Voltage [Ui]			V	750	750	750
	Rated Operational Voltage [Ue]			V	690	690	690
	Rated Impulse Withstand Voltage [Uimp]			kV	6	6	6
	Rated Thermal Current [Ith] (AC1)			A	45	55	60
	AC3	200 ~ 240 V		kW/A	5.5/25	7.5/32	11/40
		380 ~ 440 V			11/25	15/32	18.5/40
		500 ~ 550 V			15/22	18.5/28	22/32
		660 ~ 690 V			15/17	18.5/20	22/23
		1,000 V			-	-	-
		Lifetime	Electrical	10,000 Times	250	200	200
			Mechanical		1,500	1,500	1,500
	AC4	200 ~ 240 V		kW/A	3.7/18	4.5/22	5.5/25
		380 ~ 440 V			5.5/13	7.5/17	11/24
		Electrical Lifetime		10,000 Times	3	3	3
	AC1,2,3 Operating Frequency (per hour)	100 % load		Times	1,000	1,000	1,000
		50 % load (DC)			2,000	2,000	2,000
		20 % load (DC)			3,600	3,600	3,600
	AC4 Operationg Frequency (per hour)	100 % load		Times	300	300	250
		50 % load			600	600	500
	Making Capacity	220 V		A	250	320	400
		440 V			250	320	400
	Breaking Capacity	220 V		A	200	256	320
		440 V			200	256	320
Mounting Method					Screw & DIN-Rail		
Contacts		Main	AC		1NO1NC or 2NO2NC		
			DC		1NO1NC or 2NO2NC		
			AC/DC		-		
		Auxiliary	AC		2NO2NC		
			DC		2NO2NC		
			AC/DC		-		
Dimensions		AC	W x H x D	mm	45 x 99.6 x 96.6		
		DC			45 x 99.6 x 129.5		
		AC/DC			-		
Weight		AC		kg	0.5		
		DC			0.65		
		AC/DC			-		
Contact Arrangement							
Main		Main		3a			
		Auxilliary		2a2b			
Main + Auxilliary (2a2b)		Main		3a			
		Auxilliary		4a4b			

※ - Auxiliary Contacts Usage: Please refer to 48 ~ 49 page

1) Possible auxiliary contacts combination -> A Contact: maximum 6a, B Contact: maximum 4b

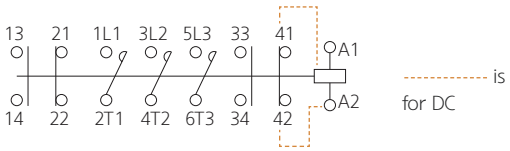
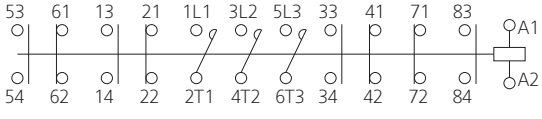
2) When using 4a4b by side auxillary block, front auxillary block is not applicable.

3) When using main 2a2b, front auxillary block is applicable.

Rating and Selection

Magnetic Contactor: HGC 50 ~ 65 A

Rating

Model					HGC50	HGC65
IEC 60947	Rated Insulation Voltage [Ui]			V	1,000	1,000
	Rated Operational Voltage [Ue]			V	690	690
	Rated Impulse Withstand Voltage [Uimp]			kV	8	8
	Rated Thermal Current [Ith] (AC1)			A	70	85
	AC3	200 ~ 240 V		kW/A	15/50	18.5/65
		380 ~ 440 V			22/50	30/65
		500 ~ 550 V			30/43	33/60
		660 ~ 690 V			30/28	33/35
		1,000 V			-	-
		Lifetime	Electrical	10,000 Times	200	200
			Mechanical		1,500	1,500
	AC4	200 ~ 240 V		kW/A	7.5/35	11/50
		380 ~ 440 V			15/32	22/47
		Electrical Lifetime		10,000 Times	3	3
	AC1,2,3 Operating Frequency (per hour)	100 % load		Times	750	750
		50 % load (DC)			1,500 (900)	1,500 (900)
		20 % load (DC)			3,000 (1,200)	3,000 (1,200)
	AC4 Operationg Frequency (per hour)	100 % load		Times	250	250
		50 % load			500	500
	Making Capacity	220 V		A	500	650
		440 V			500	650
	Breaking Capacity	220 V		A	400	520
		440 V			400	520
Mounting Method					Screw & DIN-Rail	
Contacts		Main	AC		2NO2NC	
			DC		2NO1NC	
			AC/DC		-	
		Auxilliary	AC		2NO2NC	
			DC		1NO1NC	
			AC/DC		-	
Dimensions		AC	W x H x D	mm	55 x 127.6 x 129.1	
		DC			55 x 127.6 x 129.1	
		AC/DC			-	
Weight		AC		kg	0.8	
		DC			0.8	
		AC/DC			-	
Contact Arrangement						
Main		Main		3a		
		Auxilliary		2a2b		
Main + Auxilliary (2a2b)		Main		3a		
		Auxilliary		4a4b		

※ - Auxiliary Contacts Usage: Please refer to 48 ~ 49 page

1) Possible auxiliary contacts combination -> A Contact: maximum 6a, B Contact: maximum 4b

2) When using 4a4b by side auxillary block, front auxillary block is not applicable.

3) When using main 2a2b, front auxillary block is applicable.

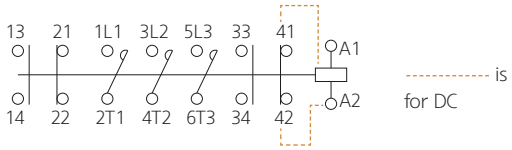
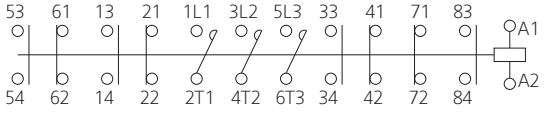
Rating and Selection

Magnetic Contactor: HGC 75 ~ 100 A

Rating

Model					HGC75	HGC85	HGC100
IEC 60947	Rated Insulation Voltage [Ui]			V	1,000	1,000	1,000
	Rated Operational Voltage [Ue]			V	690	690	690
	Rated Impulse Withstand Voltage [Uimp]			kV	8	8	8
	Rated Thermal Current [Ith] (AC1)			A	115	125	145
	AC3	200 ~ 240 V		kW/A	22/75	25/85	30/100
		380 ~ 440 V			37/75	45/85	55/100
		500 ~ 550 V			37/64	50/75	55/85
		660 ~ 690 V			37/42	45/45	50/65
		1,000 V			-	-	-
		Lifetime	Electrical	10,000 Times	200	200	200
			Mechanical		1,000	1,000	1,000
	AC4	200 ~ 240 V		kW/A	13/55	15/65	17/72
		380 ~ 440 V			25/52	30/62	33/68
		Electrical Lifetime		10,000 Times	3	3	3
	AC1,2,3 Operating Frequency (per hour)	100 % load		Times	450	450	450
		50 % load (DC)			900	900	900
		20 % load (DC)			1,800	1,800	1,800
	AC4 Operationg Frequency (per hour)	100 % load		Times	200	200	200
		50 % load			400	400	400
	Making Capacity	220 V		A	750	850	1,000
		440 V			750	850	1,000
	Breaking Capacity	220 V		A	600	680	800
		440 V			600	680	800
Mounting Method					Screw & DIN-Rail		
Contacts		Main	AC		1NO1NC or 2NO2NC		
			DC		2NO1NC		
			AC/DC		-		
		Auxilliary	AC		2NO2NC		
			DC		1NO1NC		
			AC/DC		-		
Dimensions		AC	W x H x D	mm	70 x 146 x 153		
		DC			70 x 146 x 153		
		AC/DC			-		
Weight		AC		kg	1.3		
		DC			1.3		
		AC/DC			-		

Contact Arrangement

Main	Main	3a	
	Auxilliary	2a2b	
Main + Auxilliary (2a2b)	Main	3a	
	Auxilliary	4a4b	

※ - Auxiliary Contacts Usage: Please refer to 48 ~ 49 page

1) Possible auxiliary contacts combination -> A Contact: maximum 6a, B Contact: maximum 4b

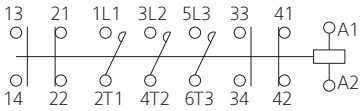
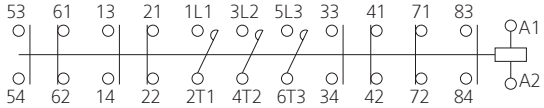
2) When using 4a4b by side auxillary block, front auxillary block is not applicable.

3) When using main 2a2b, front auxillary block is applicable.

Rating and Selection

Magnetic Contactor: HGC 115 ~ 150 A

Rating

Model					HGC115	HGC130	HGC150
IEC 60947-4	Rated Insulation Voltage [Ui]			V	1,000	1,000	1,000
	Rated Operational Voltage [Ue]			V	1,000	1,000	1,000
	Rated Impulse Withstand Voltage [Uimp]			kV	8	8	8
	Rated Thermal Current [Ith] (AC1)			A	160	180	210
	AC3	200 ~ 240 V		kW/A	37/115	40/130	45/150
		380 ~ 440 V			60/115	65/130	75/150
		500 ~ 550 V			59/100	70/120	90/140
		660 ~ 690 V			55/65	75/82	90/120
		1,000 V			65/50	75/54	90/66
		Lifetime	Electrical	10,000 Times	100	100	100
			Mechanical		500	500	500
	AC4	200 ~ 240 V		kW/A	19/80	22/93	30/125
		380 ~ 440 V			37/75	45/90	55/110
		Electrical Lifetime		10,000 Times	3	3	3
	AC1,2,3 Operating Frequency (per hour)	100 % load		Times	450	450	450
		50 % load (DC)			900	900	900
		20 % load (DC)			1,800	1,800	1,800
	AC4 Operationg Frequency (per hour)	100 % load		Times	200	200	200
		50 % load			400	400	400
	Making Capacity	220 V		A	1,150	1,300	1,500
		440 V			1,150	1,300	1,500
	Breaking Capacity	220 V		A	920	1,040	1,200
		440 V			920	1,040	1,200
Mounting Method					Screw		
Contacts		Main	AC/DC		2NO2NC		
		Auxilliary [1]	AC/DC		2NO2NC		
Dimensions		AC/DC	W x H x D	mm	103 x 155 x 145.1		
Weight		AC/DC		kg	2.7		
Contact Arrangement							
Main		Main		3a			
		Auxilliary		2a2b			
Main + Auxilliary (2a2b)		Main		3a			
		Auxilliary		4a4b			

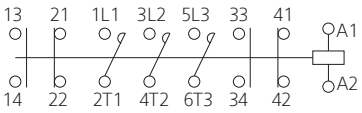
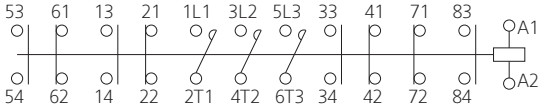
※ - Auxilliary Contacts Usage: Please refer to page 48 ~ 49.

1) Maximum number of side auxilliary contacts

Rating and Selection

Magnetic Contactor: HGC 185 - 265 A

Rating

Model					HGC185	HGC225	HGC265
IEC 60947	Rated Insulation Voltage [Ui]			V	1,000	1,000	1,000
	Rated Operational Voltage [Ue]			V	1,000	1,000	1,000
	Rated Impulse Withstand Voltage [Uimp]			kV	8	8	8
	Rated Thermal Current [Ith] (AC1)			A	275	315	350
	AC3	200 - 240 V		kW/A	55/185	75/225	80/265
		380 - 440 V			90/185	132/225	147/265
		500 - 550 V			110/180	132/200	150/225
		660 - 690 V			110/120	132/150	160/173
		1,000 V			110/78	132/96	160/113
		Lifetime	Electrical	10,000 Times	100	100	100
			Mechanical		500	500	500
	AC4	200 - 240 V		kW/A	37/150	45/185	50/200
		380 - 440 V			75/150	90/185	102/200
		Electrical Lifetime		10,000 Times	3	3	3
	AC1,2,3 Operating Frequency (per hour)	100 % load		Times	300	300	300
		50 % load (DC)			600	600	600
		20 % load (DC)			1,200	1,200	1,200
	AC4 Operationg Frequency (per hour)	100 % load		Times	200	200	200
		50 % load			400	400	400
	Making Capacity	220 V		A	1,850	2,250	2,650
		440 V			1,850	2,250	2,650
	Breaking Capacity	220 V		A	1,480	1,800	2,120
		440 V			1,480	1,800	2,120
Mounting Method					Screw		
Contacts		Main	AC/DC		2NO2NC		
		Auxilliary [1]	AC/DC		2NO2NC		
Dimensions		AC/DC	W x H x D	mm	138 x 204 x 174.2		
Weight		AC/DC		kg	4.8		
Contact Arrangement							
Main		Main		3a			
		Auxilliary		2a2b			
Main + Auxilliary (2a2b)		Main		3a			
		Auxilliary		4a4b			

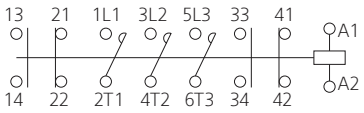
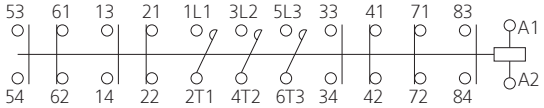
※ - Auxilliary Contacts Usage: Please refer to page 48 - 49.

1) Maximum number of side auxilliary contacts.

Rating and Selection

Magnetic Contactor: HGC 300 ~ 500 A

Rating

Model					HGC300	HGC400	HGC500
IEC 60947-4	Rated Insulation Voltage [Ui]			V	1,000	1,000	1,000
	Rated Operational Voltage [Ue]			V	1,000	1,000	1,000
	Rated Impulse Withstand Voltage [Uimp]			kV	8	8	8
	Rated Thermal Current [Ith] (AC1)			A	400	500	550
	AC3	200 ~ 240 V		kW/A	90/300	125/400	140/500
		380 ~ 440 V			160/300	220/400	250/500
		500 ~ 550 V			200/273	250/300	300/426
		660 ~ 690 V			200/220	250/300	335/360
		1,000 V			200/141	250/178	275/192
		Lifetime	Electrical	10,000 Times	100	100	50
			Mechanical		500	500	500
	AC4	200 ~ 240 V		kW/A	55/220	75/300	90/350
		380 ~ 440 V			110/220	150/300	175/350
		Electrical Lifetime		10,000 Times	3	3	3
	AC1,2,3 Operating Frequency (per hour)	100 % load		Times	300	300	300
		50 % load (DC)			600	600	600
		20 % load (DC)			1,200	1,200	1,200
	AC4 Operationg Frequency (per hour)	100 % load		Times	150	150	150
		50 % load			300	300	300
	Making Capacity	220 V		A	3,000	4,000	5,000
		440 V			3,000	4,000	5,000
	Breaking Capacity	220 V		A	2,400	3,200	4,000
		440 V			2,400	3,200	4,000
Mounting Method					Screw		
Contacts		Main	AC/DC		2NO2NC		
		Auxilliary [1]	AC/DC		2NO2NC		
Dimensions		AC/DC	W x H x D	mm	163 x 243 x 203		
Weight		AC/DC		kg	9.2		
Contact Arrangement							
Main		Main		3a			
		Auxilliary		2a2b			
Main + Auxilliary (2a2b)		Main		3a			
		Auxilliary		4a4b			

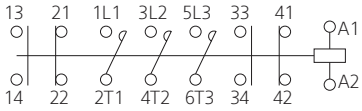
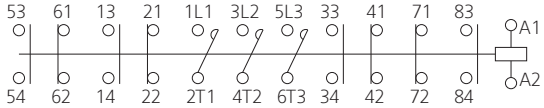
※ - Auxilliary Contacts Usage: Please refer to page 48 ~ 49.

1) Maximum number of side auxilliary contacts.

Rating and Selection

Magnetic Contactor: HGC 630 - 800 A

Rating

Model					HGC630	HGC800
IEC 60947-4	Rated Insulation Voltage [Ui]			V	1,000	1,000
	Rated Operational Voltage [Ue]			V	1,000	1,000
	Rated Impulse Withstand Voltage [Uimp]			kV	8	8
	Rated Thermal Current [Ith] (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 Times	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 Times	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 Operationg 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.