

## Model Selection Table

### Magnetic Contactors: 9 - 100 AF



Model				HGC9	HGC12	HGC18	HGC25	HGC32	HGC40	
IEC 60947-4	Rated Insulation Voltage [ U <sub>i</sub> ]		V	750	750	750	750	750	750	
	Rated Operational Voltage [ U <sub>e</sub> ]		V	690	690	690	690	690	690	
	Rated Impulse Withstand Voltage [ U <sub>imp</sub> ]		kV	6	6	6	6	6	6	
	Rated Thermal Current [ I <sub>th</sub> ] (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 [ U <sub>i</sub> ]		V	1,000	1,000	1,000	1,000	1,000	
	Rated Operational Voltage [ U <sub>e</sub> ]		V	690	690	690	690	690	
	Rated Impulse Withstand Voltage [ U <sub>imp</sub> ]		kV	8	8	8	8	8	
	Rated Thermal Current [ I <sub>th</sub> ] (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	7 - 10	7 - 10	17 - 25
			0.18 - 0.26	8 - 12	8 - 12	22 - 32
			0.25 - 0.35	12 - 18	12 - 18	28 - 40
			0.34 - 0.5	15 - 22	15 - 22	34 - 50
			0.5 - 0.7	17 - 25	17 - 25	45 - 65
			0.6 - 0.9	22 - 32	22 - 32	52 - 75
			0.8 - 1.2	28 - 40	28 - 40	59 - 85
			1.1 - 1.6		34 - 50	70 - 100
			1.5 - 2.1		45 - 65	
			2 - 3			
			2.8 - 4.2			
			3 - 5			
			4 - 6			
			5.6 - 8			
	6 - 9					
	8 - 12					
	12 - 18					
Auxiliary 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

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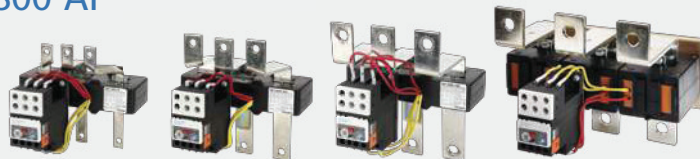
## Magnetic Contactors: 115 - 800 AF



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	48 - 80	90 - 150	378 - 630
			69 - 115	69 - 115	111 - 185	480 - 800
			78 - 130	78 - 130	135 - 225	
			90 - 150	90 - 150	159 - 265	
Auxiliary 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