

UL MC (Magnetic Contactors)

Product Features

• Various Product Ranges

- Front Auxiliary Type : 18/40/65/100 (4 Frames)
- Side Auxiliary Type : 22B/65B/100B (3 Frames)
150/265/500/800AF (4 Frames)

• Variable Accessories

- Thermal Overload Relay : HGT18K - 800K (0.18 - 800 A)
- Control relay : HGR40/31/22/13/04
- Auxiliary Contact Block : HGCTB(Top) / HGCSB(Side)
- Interlock Unit : HGCIU
- Mechanical Latching Block : HGCLB100
- Surge Absorber : HGCRC(AC) / HGCCD(DC)
- Electronic Timer Block : HGCET

• Terminal Designation : Screw & Cage

• Standards

- UL 60947 4-1 / IEC 60947 4-1



Front Auxiliary Type

Side Auxiliary Type

Thermal Overload Relay

Ratings and Specifications

Model				HGC9	HGC12	HGC18	HGC25	HGC32	HGC40	HGC50	HGC65	HGC75	HGC85	HGC100	HGC9B	HGC12B	HGC18B	HGC22B	HGC50B	HGC65B	HGC75B	HGC85B	HGC100B								
UL 60947 4-1	Pole	P		3										3																	
	Rated frequency	Hz		50/60										50/60																	
	Continuous current (ambient temperature 40 °C)	A		25	25	40	45	55	60	70	85	115	125	145	25	25	40	40	70	85	115	125	145								
	Single phase	1P/110 - 120 V	HP	0.5	1	2	2	3	3	3	5	7.5	7.5	10	0.5	1	2	2	3	5	7.5	7.5	10								
				1P/220 - 240 V	1.5	2	3	5	5	7.5	10	15	15	15	20	1.5	2	3	3	10	15	15	20								
		3P/200 - 208 V	2	3	7.5	7.5	7.5	15	20	25	25	30	30	40	2	3	7.5	7.5	20	25	25	30	30								
			3P/220 - 240 V	3	5	7.5	10	10	15	25	30	30	40	40	3	5	7.5	10	25	30	30	40	40								
			3P/440 - 480 V	5	7.5	10	15	20	30	40	50	60	60	75	5	7.5	10	15	40	50	50	60	75								
	3P/600 V	7.5	10	15	20	25	30	50	60	60	75	75	7.5	10	15	20	50	60	60	75	75										
	Mounting method	Screw & rail mounting											Screw & rail mounting																		
Terminals	Screw clamp terminals											Screw clamp terminals or lug clamp terminals																			
Auxiliary contacts	standard	AC	1NO 1NC											2NO 2NC																	
		DC	2NO 2NC											1NO																	
	Additional (flatorstemount)	AC	2NO 2NC											2NO 2NC																	
Dimension	AC & DC	W×H×D	inch [mm]	1.77×3.71×3.59 [45×94.2×91.1]				1.77×3.92×3.80 [45×99.6×96.6]				2.17×4.87×4.96 [55×123.6×126]				2.76×5.75×6.02 [70×146×153]				1.77×2.95×3.39 [45×75×86]				3.15×4.87×4.21 [80×123.6×107]				3.74×5.75×5.14 [95×146×130.6]			

Model				HGC115	HGC130	HGC150	HGC185	HGC225	HGC265	HGC300	HGC400	HGC500	HGC630	HGC800		
UL 60947 4-1	Pole	P		3									3			
	Rated frequency	Hz		50/60									50/60			
	Continuous current (ambient temperature 40 °C)	A		160	180	210	275	315	350	400	500	550	750	900		
	Single phase	1P/110 - 120 V	HP	10	10	15	15	15	-	-	-	-	-	-		
				1P/220 - 240 V	20	20	25	30	40	-	-	-	-	-	-	
		3P/200 - 208 V	30	40	40	60	60	75	100	125	150	200	300			
			3P/220 - 240 V	40	40	50	60	75	100	100	150	200	250	350		
			3P/440 - 480 V	75	75	100	125	150	200	250	300	400	500	600		
	3P/600 V	75	75	100	125	150	200	200	300	400	500	600				
	Mounting method	Screw mounting														
Terminals	Screw clamp terminals															
Auxiliary contacts	standard	AC & DC	2NO 2NC										2NO 2NC			
		Additional (side mount)	AC & DC	2NO 2NC										2NO 2NC		
Dimension	AC & DC	W×H×D	inch [mm]	4.06×6.10×5.71 [103×155×145.1]				5.43×8.03×6.86 [138×204×174.2]				6.42×9.57×7.99 [163×243×203]				10.87×12.36×10.05 [276×314×255.3]