






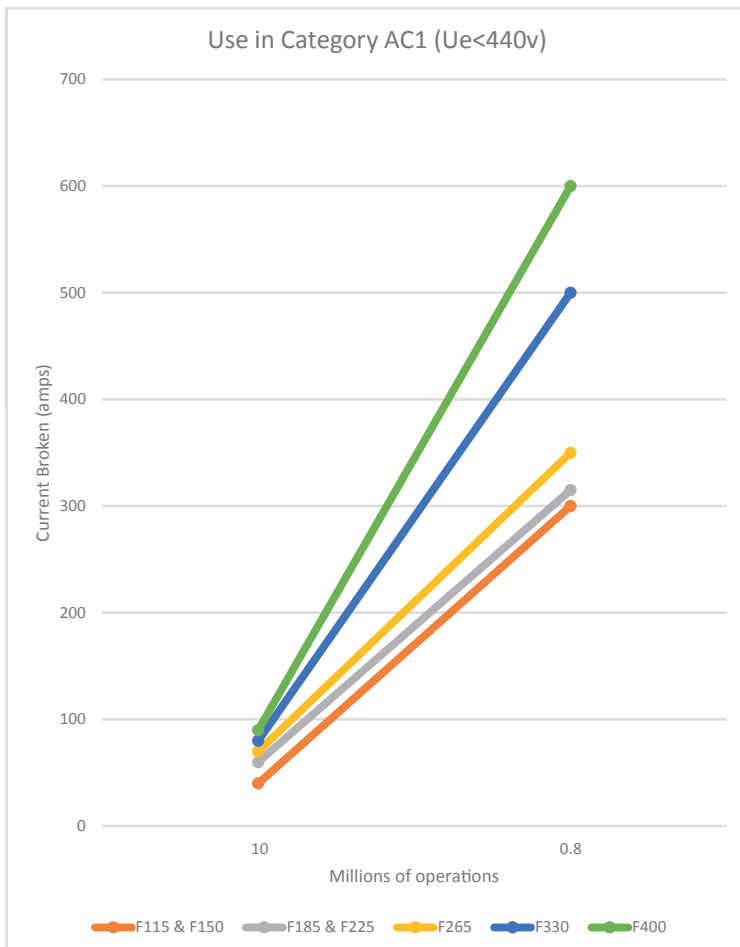
Specifications:-

Product Type	Contactors 115 - 400amp
Insulation Voltage	1500 VAC
Degree of protection / Protective treatment	IP20 "finger proof", NEMA1 with shrouds fitted
Ambient air temperature	Storage: -76°F to +176°F, Operation: 23°F to 131°F, Maximum - 40°F to +158°F
Conforming to Standards	NFC EN60947, VDE0660, BSEN60947, IEC 60947 & IS 13947, JEM 1038
Maximum operating altitude	9843 ft above sea level before de rating
Operating position	+30°, from normal vertical mounting plane
Approvals	  

Pole Characteristics	-	Unit	Type GC						
			115	150	185	225	265	330	400
Number of Poles	Power	-	3 main with provision to add up to 8 aux contacts						
Rated Current (Ie)	AC3 @ 131°F	A	115	150	185	225	265	330	400
Rated Operating Voltage	Up to	V	1000						
Frequency Limits	of the Operational Current	HZ	25 - 200						
Rated Thermal Current (Ith)	0 - 104°F	A	200	250	275	315	350	400	500
Rated Making Capacity	Irms to IEC-60947-4	A	1300	1700	2100	2460	2940	3600	4500
Rated Breaking Capacity IEC-60947-4	Irms to 220 - 440v	A	1300	1500	1800	2050	2450	3000	4000
	500v	A	1100	1200	1600	1850	2200	2810	3500
	690v	A	900	1100	1200	1350	1700	2350	3050
Average Impedance per Pole	At Ith and 50Hz	Milli Ω	0.4	0.4	0.36	0.36	0.32	0.28	0.28
Power Dissipation per Pole for the above Operational Currents	A3	W	6	9	12	18	22	31	45
Tightening Torque	Power Circuit	Ft/lbs	7.4	13.3	13.3	25.8	25.8	25.8	25.8

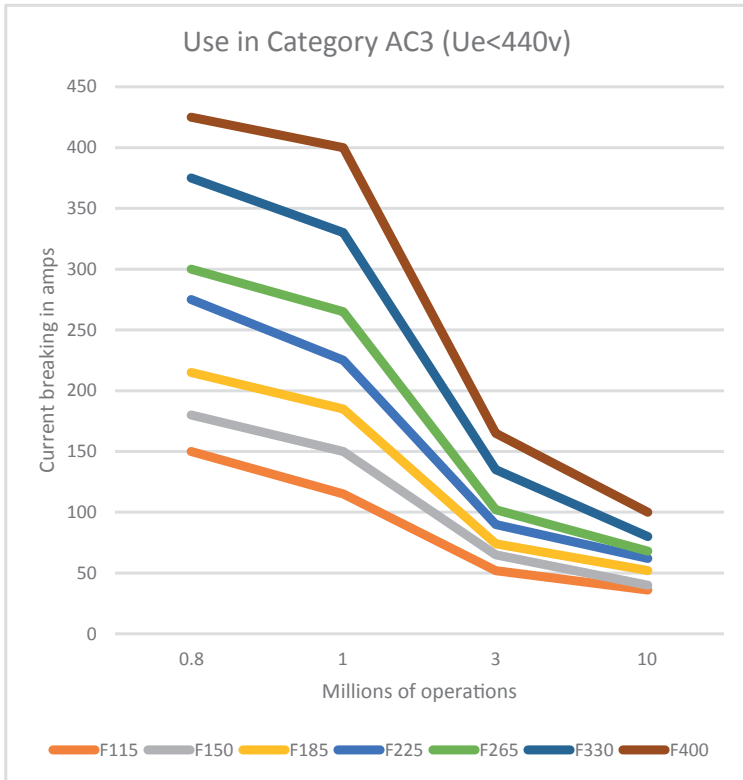
Control Circuit Characteristics		-	Unit	Type GC						
				115	150	185	225	265	330	400
Rated Control Circuit Voltage (Uc)		50 or 60 Hz	V	12-600						48-600
Control Voltage Limits 32°F to 131°F	50 or 60Hz Coil	Operational	V	0.8 - 1.1 Uc						
		Drop out	V	0.3 - 0.6 Uc						0.3 - 0.5
Average Consumption at 68°F and at Uc	Inrush	50Hz Coil	VA	550	550	805	805	1200	700	1075
		60Hz Coil	VA	660	660	970	970	1445	700	1075
		40-400HZ Coil	VA	-	-	-	-	700	700	1075
		Cosφ	-	0.28	0.28	0.3	0.3	0.9	0.9	0.9
	Sealed	50Hz Coil	VA	45	45	55	55	95	10	15
		60Hz Coil	VA	55	55	66	66	110	10	15
		40-400HZ Coil	VA	-	-	-	-	10	10	15
		Cosφ	-	0.28	0.28	0.3	0.3	0.9	0.9	0.9
Average Operating time at UC		Closing time "C"	msec	23 - 35		20 - 35		30 - 65		40 - 75
		Closing time "O"	msec	5 - 15		7 - 15		100 - 170		
Mechanical Life Uc		50 or 60Hz Coil	Millions of Operations	10	10	10	10	10	10	10
		50 or 60Hz Coil		10	10	10	10	10	10	10
Maximum Operating Rate		Cycles/hour		2400						

Usage Graphs:-



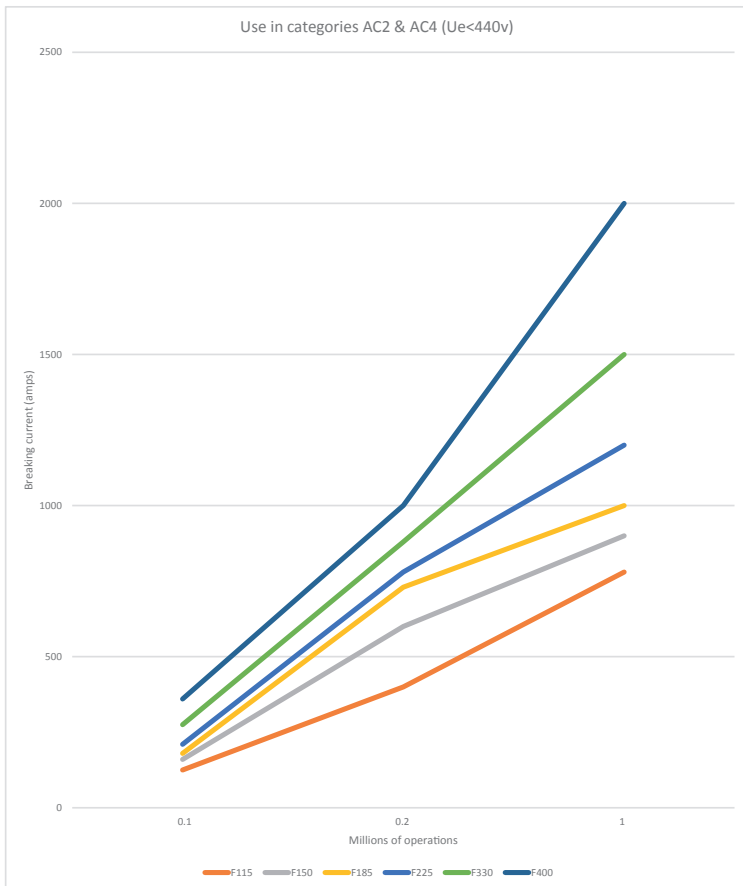
Use in Category AC-1 (Ue<440v)

Control of resistive circuits ($\cos\phi > 0.95$). The current broken (I_c) in category AC1 is equal to the current (I_e) normally drawn by the load.



Use in Category AC-3 (Ue < 440v)

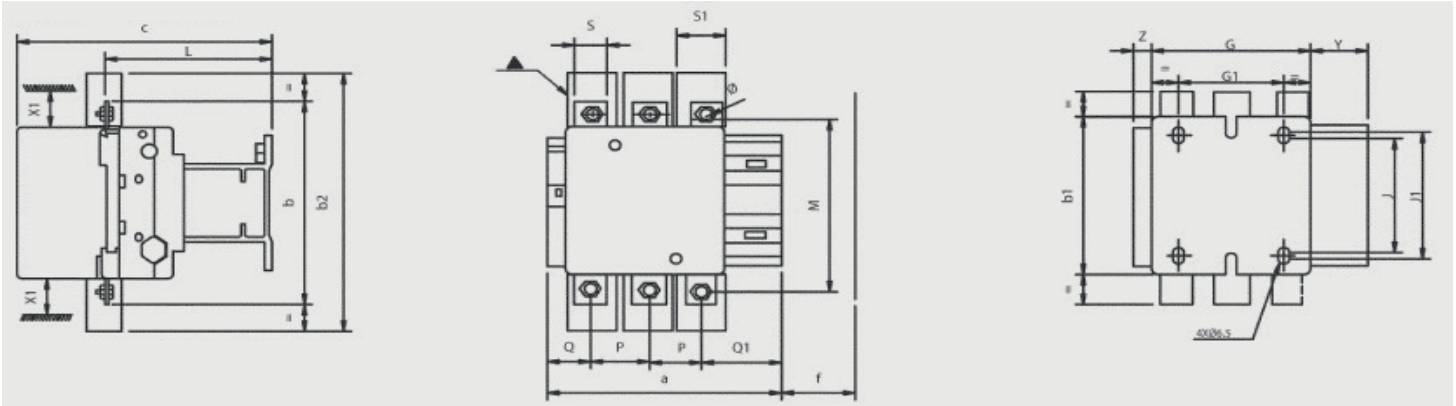
Control of 3 phase synchronous squirrel cage motors with breaking whilst motor is running. The current broken(Ic) in category AC-3 is equal to the current (Ic) normally drawn by the load.



Use in categories AC-2 & AC4 (Ue<440v)

Control of 3 phase asynchronous squirrel cage motors (AC-4) or slip ring motors (AC-2) with breaking whilst motor is stalled. The current 6x Ic (Ic being the operational (running) current of the motor).

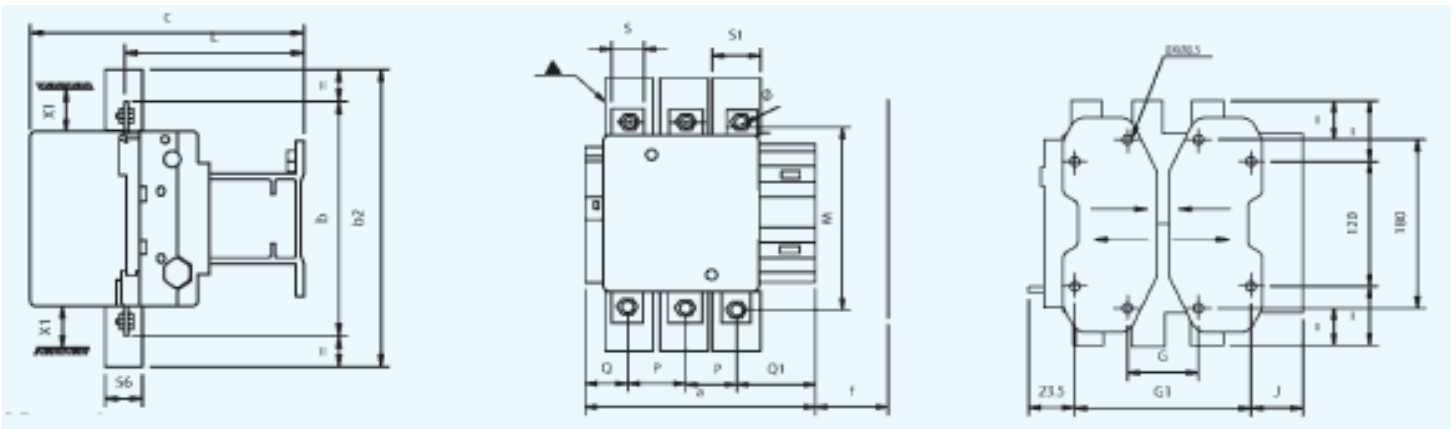
115-330 amp



Item No.	Dimensions (mm)																			
	a	b	b1	b2	c	f	G	G1	J	J1	L	M	P	Q	Q1	S	S1	Y	Z	Ø
GC115	163.5	162	137	265	172	131	106	80	106	120	107	147	37	29.5	60	15	27	44	13.5	M6
GC150	163.5	171	137	301	172	131	106	80	106	120	107	150	40	26.5	57.5	20	34	44	13.5	M8
GC185	168.5	174	137	305	181	130	111	80	106	120	114	154	40	29	59.5	20	34	44	13.5	M8
GC225	168.5	197	137	364	181	130	111	80	106	120	114	172	48	20	51.5	25	44.5	44	13.5	M10
GC265	201.5	203	145	370	214	147	142	96	106	120	141	178	48	39	66.5	25	44.5	38	21.5	M10
GC330	206	206	145	375	220	147	-	96	106	120	147	181	48	43	74	25	44.5	38	20.5	M10

Minimum electrical clearance according to operational voltage and breaking capacity: 200 to 500v = 10mm : 600 to 1000v = 15mm

400 amp



Item No.	Dimensions (mm)																			
	a	b	b1	b2	c	f	G	Gmin	Gmax	G1	G1min	G1max	J	L	M	P	Q	Q1	S	S1
GC400	211.0	206	209	375	220	119	170	66	102	170	156	192	19.5	145	181	48	43	74	25	44.5

Minimum electrical clearance according to operational voltage and breaking capacity: 200 to 500v = 15mm : 600 to 1000v = 20mm

*denotes minimum clearance distance to facilitate the removal of the coil.