

- F 3-pole contactors for motor control, 115 to 780 A
- Utilisation category AC-3
- Control circuit : a.c. or d.c.
- References



GLC1-F series magnetic contactors

3/4-pole contactors

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 ($\theta \leq 55^{\circ}\text{C}$)						Rated operational current in AC-3 up to 440V (A)	Basic reference. (2)
220V 230V (kW)	380V 400V (kW)	415V (kW)	440V (kW)	500V (kW)	660V 690V (kW)		Screw fixing, cabling (1)
30	55	59	59	75	80	115	GLC1-F1153
30	55	59	59	75	80	115	GLC1-F1154
40	75	80	80	90	100	150	GLC1-F1503
40	75	80	80	90	100	150	GLC1-F1504
55	90	100	100	110	110	185	GLC1-F1853
55	90	100	100	110	110	185	GLC1-F1854
63	110	110	110	129	129	225	GLC1-F2253
63	110	110	110	129	129	225	GLC1-F2254
75	132	140	140	160	160	265	GLC1-F2653
75	132	140	140	160	160	265	GLC1-F2654
100	160	180	200	200	220	330	GLC1-F3303
100	160	180	200	200	220	330	GLC1-F3304
110	200	220	250	257	280	400	GLC1-F4003
110	200	220	250	257	280	400	GLC1-F4004
147	250	280	295	355	335	500	GLC1-F5003
147	250	280	295	355	335	500	GLC1-F5004
200	335	375	400	400	450	630	GLC1-F6303
200	335	375	400	400	450	630	GLC1-F6304
220	400	425	425	450	475	780	GLC1-F7803
220	400	425	425	450	475	780	GLC1-F7804

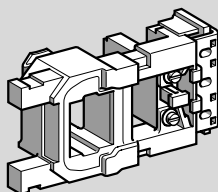
GLC2-F series reversing magnetic contactors

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 ($\theta \leq 55^{\circ}\text{C}$)						Rated operational current in AC-3 up to 440V (A)	Basic reference. (2) Screw fixing, cabling (1)
220V 230V (kW)	380V 400V (kW)	415V (kW)	440V (kW)	500V (kW)	660V 690V (kW)		
30	55	59	59	75	80	115	GLC2-F1153
30	55	59	59	75	80	115	GLC2-F1154
40	75	80	80	90	100	150	GLC2-F1503
40	75	80	80	90	100	150	GLC2-F1504
55	90	100	100	110	110	185	GLC2-F1853
55	90	100	100	110	110	185	GLC2-F1854
63	110	110	110	129	129	225	GLC2-F2253
63	110	110	110	129	129	225	GLC2-F2254
75	132	140	140	160	160	265	GLC2-F2653
75	132	140	140	160	160	265	GLC2-F2654
100	160	180	200	200	220	330	GLC2-F3303
100	160	180	200	200	220	330	GLC2-F3304
110	200	220	250	257	280	400	GLC2-F4003
110	200	220	250	257	280	400	GLC2-F4004
147	250	280	295	355	335	500	GLC2-F5003
147	250	280	295	355	335	500	GLC2-F5004
200	335	375	400	400	450	630	GLC2-F6303
200	335	375	400	400	450	630	GLC2-F6304
220	400	425	425	450	475	780	GLC2-F7803
220	400	425	425	450	475	780	GLC2-F7804

GLC3-F series star delta starter

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 ($\theta \leq 55^{\circ}\text{C}$)						Rated operational current in AC-3 up to 440V (A)	Rated insulation voltage (V)	Thermal current Ithe in (A)	Reference
220V (kW)	220V (hp)	380V (kW)	380V (hp)	415V 440V (kW)	415V 440V (hp)				
63	85	110	145	110	145	115	1000	200	GLC3-F115
75	100	132	175	150	200	150	1000	250	GLC3-F150
90	120	160	215	180	240	185	1000	275	GLC3-F185
100	135	185	245	220	295	225	1000	315	GLC3-F225
110	145	220	295	250	334	265	1000	350	GLC3-F265
150	200	265	355	280	375	330	1000	400	GLC3-F330
190	255	315	420	355	475	400	1000	500	GLC3-F400
220	295	400	535	425	570	500	1000	700	GLC3-F500
280	375	500	670	560	750	630	1000	1000	GLC3-F630
355	475	600	800	600	800	800	1000	1000	GLC3-F800

- Contactors type GLC1-F
- Coils for GLC1-F115 to F225, a.c. supply 50/60 Hz
- References



Control circuit voltage		Average resistance at 20 °C ± 10% (Ω)	Inductance of colsed circuit (H)	Voltage code	Reference	Weight (kg)
Uc 50Hz (V)	Uc 60Hz (V)					

For contactors GLC1-F115 and GLC1-F150

Specifications

- Average consumption at 20 °C :
inrush 50 Hz : 550 VA; 60 Hz : 660 VA.
sealed 50 Hz : 45 VA; 60 Hz : 55 VA, $\cos\phi = 0.32$.
- Operating cycles/hour ($\theta < 55\text{ °C}$) : < 2400.

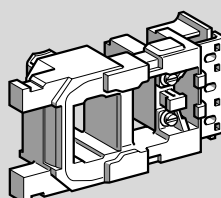
24	-	0.27	0.04	B5	GLX1-FF024	0.430
42	-	0.94	0.13	-	GLX1-FF042	0.430
-	48	0.78	0.11	E6	GLX1-FF040	0.430
48	-	1.17	0.16	E5	GLX1-FF048	0.430
-	110	4.55	0.59	F6	GLX1-FF092	0.430
-	115/120	4.77	0.64	G6	GLX1-FF095	0.430
110	-	6.38	0.86	F5	GLX1-FF110	0.430
127	-	9.14	1.15	G5	GLX1-FF127	0.430
-	200/208	14.5	1.87	L6	GLX1-FF162	0.430
-	220	18.4	2.38	M6	GLX1-FF184	0.430
-	230/240	18.9	2.5	U6	GLX1-FF187	0.430
220/230	265/277	28.1	3.44	M5	GLX1-FF220	0.430
240	-	31.1	4.1	U5	GLX1-FF240	0.430
-	380	57.2	7.05	Q6	GLX1-FF316	0.430
-	415	67.9	8.21	N6	GLX1-FF340	0.430
-	440	72.6	9.21	R6	GLX1-FF360	0.430
380/400	460/480	86.9	10.3	Q5	GLX1-FF380	0.430
415/440	-	95.1	12	N5	GLX1-FF415	0.430
500	-	141	17	S5	GLX1-FF500	0.430
-	660	172	20.3	Y6	GLX1-FF550	0.430
660	-	254	28.9	Y5	GLX1-FF660	0.430
-	1000	414	48.9	-	GLX1-FF850	0.430
1000	-	610	68.5	-	GLX1-FF1000	0.430

For contactors GLC1-F185 and GLC1-F225

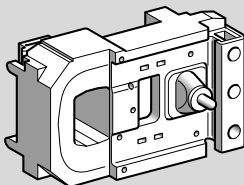
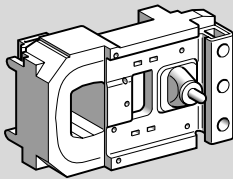
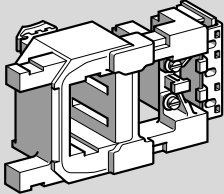
Specifications

- Average consumption at 20 °C :
inrush 50 Hz : 805 VA; 60 Hz : 970 VA.
sealed 50 Hz : 55 VA; 60 Hz : 66 VA, $\cos\phi = 0.34$.
- Operating cycles/hour ($\theta < 55\text{ °C}$) : < 2400.

24	-	0.18	0.03	B5	GLX1-FG024	0.550
42	-	0.57	0.09	-	GLX1-FG042	0.550
-	48	0.47	0.08	E6	GLX1-FG040	0.550
48	-	0.71	0.12	E5	GLX1-FG048	0.550
-	110	2.74	0.44	F6	GLX1-FG092	0.550
-	115/120	2.87	0.49	G6	GLX1-FG095	0.550
110	-	4.18	0.65	F5	GLX1-FG110	0.550
127	-	5.35	0.86	G5	GLX1-FG127	0.550
-	200/208	8.8	1.41	L6	GLX1-FG162	0.550
-	220	11.1	1.8	M6	GLX1-FG184	0.550
-	230/240	11.4	1.87	U6	GLX1-FG187	0.550
220/230	265/277	16.5	2.59	M5	GLX1-FG220	0.550
240	-	20.1	3.09	U5	GLX1-FG240	0.550
-	380	34	5.32	Q6	GLX1-FG316	0.550
-	415	40.8	6.2	N6	GLX1-FG340	0.550
-	440	43.5	6.94	R6	GLX1-FG360	0.550
380/400	460/480	51.3	7.75	Q5	GLX1-FG380	0.550
415/440	-	62.3	9.06	N5	GLX1-FG415	0.550
500	-	82.7	12.8	S5	GLX1-FG500	0.550
-	660	103	15.3	Y6	GLX1-FG550	0.550
660	-	154	21.8	Y5	GLX1-FG660	0.550
-	1000	249	36.6	-	GLX1-FG850	0.550
1000	-	370	51.6	-	GLX1-FG1000	0.550



- Contactors type GLC1-F
- Coils for GLC1-F265 to F500, a.c. supply 40/400 Hz
- References



Low sealed consumption. Operate on networks with harmonic numbers ≤ 7

Control circuit voltage		Average resistance at 20 °C $\pm$ 10% (Ω)	Inductance of closed circuit (H)	Voltage code	Reference	Weight (kg)
Uc 50Hz (V)	Uc 60Hz (V)					

For contactors GLC1-F265 and GLC1-F330

Specifications

- Average consumption at 20 °C for 50 or 60 Hz and $\cos\phi = 0.9$:
inrush : 600...700 VA.
sealed : 8...10 VA.
- Operating cycles/hour ($\theta \leq 55$ °C) : ≤ 2400 .

48	2.96	72	(1)	E7	GLX1-FH0482	0.750
110/115	18.7	415	(1)	F7	GLX1-FH1102	0.750
120/127	22.9	536	(1)	G7	GLX1-FH1272	0.750
200/208	57.8	1285	(1)	L7	GLX1-FH2002	0.750
220/230	71.6	1621	(1)	M7	GLX1-FH2202	0.750
240	71.6	1621	(1)	U7	GLX1-FH2402	0.750
277	114.3	2425	(1)	W7	GLX1-FH2772	0.750
380/415	222	5075	(1)	Q7	GLX1-FH3802	0.750
480/500	345	7990	(1)	S7	GLX1-FH5002	0.750
600/660	521	11,988	(1)	X7	GLX1-FH6002	0.750
1000	1218	30,124	(1)	-	GLX1-FH10002	0.750

For contactor GLC1-F400

Specifications

- Average consumption at 20 °C for 50 or 60 Hz and $\cos\phi = 0.9$:
inrush : 1000...1150 VA.
sealed : 12...18 VA.
- Operating cycles/hour ($\theta \leq 55$ °C) : ≤ 2400 .

48	1.6	29.5	0.18	E7	GLX1-FJ048	1.000
110/120	9.8	230	1.35	F7	GLX1-FJ110	1.000
127	12.8	280	1.75	G7	GLX1-FJ127	1.000
200/208	30	815	4.1	L7	GLX1-FJ200	1.000
220/230	37	1030	5.1	M7	GLX1-FJ220	1.000
230/240	47.5	1320	6.4	U7	GLX1-FJ240	1.000
265/277	61	1700	8.1	W7	GLX1-FJ280	1.000
380/400	120	3310	15.8	Q7	GLX1-FJ380	1.000
415/480	145	4070	19.4	N7	GLX1-FJ415	1.000
500	190	4980	25.5	S7	GLX1-FJ500	1.000
550/600	243	6310	27.4	X7	GLX1-FJ600	1.000
1000	720	19,420	84.6	-	GLX1-FJ1000	1.000

For contactor GLC1-F500

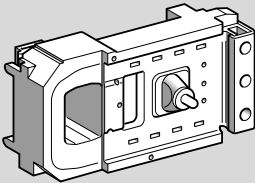
Specifications

- Average consumption at 20 °C for 50 or 60 Hz and $\cos\phi = 0.9$:
inrush : 1050...1150 VA.
sealed : 16...20 VA.
- Operating cycles/hour ($\theta \leq 55$ °C) : ≤ 2400 .

48	1.9	33.5	0.19	E7	GLX1-FK048	1.150
110/120	9.55	260	1.25	F7	GLX1-FK110	1.150
127	11.5	315	1.5	G7	GLX1-FK127	1.150
200/208	29	735	3.75	L7	GLX1-FK200	1.150
220/230	35.5	915	4.55	M7	GLX1-FK220	1.150
230/240	44.5	1160	5.75	U7	GLX1-FK240	1.150
265/277	56.5	1490	7.3	W7	GLX1-FK280	1.150
380/400	112	2980	14.7	Q7	GLX1-FK380	1.150
415/480	143	3730	18.4	N7	GLX1-FK415	1.150
500	172	4590	22.8	S7	GLX1-FK500	1.150
550/600	232	5660	23.9	X7	GLX1-FK600	1.150
1000	679	16,960	72	-	GLX1-FK1000	1.150

(1) Please consult your Regional customer centre.

- Contactors type GLC1-F
- Coils for GLC1-F630 and F780, a.c. supply 40 to 400 Hz
- References



Low sealed consumption. Operate on networks with harmonic numbers ≤ 7

For contactor GLC1-F630

Specifications

- Average consumption at 20 °C for 50 or 60 Hz and $\cos\phi = 0.9$:
inrush : 1500...1730 VA.
sealed : 20...25 VA.
- Operating cycles/hour ($\theta \leq 55$ °C) : 1200.

Control circuit voltage Uc (V)	Average resistance at 20 °C $\pm$ 10% (Ω)		Inductance of coiled circuit (H)	Voltage code	Reference	Weight (kg)
	Inrush	Sealed				
48	1.1	17.1	0.09	E7	GLX1-FL048	1.500
110/120	6.45	165	1.85	F7	GLX1-FL110	1.500
127	8.1	205	1.05	G7	GLX1-FL127	1.500
200/208	20.5	605	2.65	L7	GLX1-FL200	1.500
220/240	25.5	730	3.35	M7	GLX1-FL220	1.500
265/277	31	900	4.1	U7	GLX1-FL260	1.500
380/400	78	2360	10.5	W7	GLX1-FL380	1.500
415/480	96	2960	13	Q7	GLX1-FL415	1.500
500	120	3660	16.5	S7	GLX1-FL500	1.500
550/600	155	4560	19.5	X7	GLX1-FL600	1.500
1000	474	12, 880	56.2	-	GLX1-FL1000	1.500

For contactor GLC1-F780

Specifications

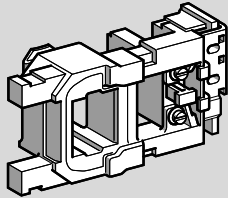
- Average consumption at 20 °C for 50 or 60 Hz, $\cos\phi = 0.9$:
inrush : 1900...2300 VA.
sealed : 44...55 VA.
- Operating cycles/hour ($\theta \leq 55$ °C) : 600.

Control circuit voltage Uc (V)	Average resistance at 20 °C $\pm$ 10% (Ω)		Inductance of coiled circuit (H)	Voltage code	Reference	Weight (kg)
	Inrush	Sealed				
110/120	4.95(2)	230(2)	0.21	F7	GLX1-FX110(1)	3.000
127	6.1(2)	280(2)	0.26	G7	GLX1-FX127(1)	3.000
200/208	15.5(2)	750(2)	0.66	L7	GLX1-FX200(1)	3.000
220/240	19.5(2)	920(2)	0.82	M7	GLX1-FX220(1)	3.000
265/277	29.8(2)	1330(2)	1.25	W7	GLX1-FX280(1)	3.000
380	60.9(2)	2780(2)	2.3	Q7	GLX1-FX380(1)	3.000
415/480	74.3(2)	3340(2)	2.8	N7	GLX1-FX415(1)	3.000
500	92(2)	4180(2)	3.5	S7	GLX1-FX500(1)	3.000

(1) Reference of set of 2 identical coils, to be connected in series.

(2) Value for the 2 coils in series.

- Contactors type GLC1-F
- Coils for GLC1-F115 to F400, d.c.
- supply
- References



Low sealed consumption.

Control circuit voltage Uc (V)	Average resistance at 20 °C ± 10%(Ω)		Inductance of coiled circuit (H)	Voltage code	Reference	Weight (kg)
	Inrush	Sealed				

For contactors GLC1-F115 and GLC1-F150

Specifications

- Average consumption :
inrush : 543...665 W.
sealed : 3.94...4.83 W.

24	1.12	177	11	BD	GLX4-FF024	0.430
48	4.52	715	42.7	ED	GLX4-FF048	0.430
110	21.7	2940	179	FD	GLX4-FF110	0.430
125	26.8	3560	223	GD	GLX4-FF125	0.430
220/230	84	11, 100	704	MD	GLX4-FF220	0.430
250	105	13, 000	868	UD	GLX4-FF250	0.430
440/460	301	48, 200	4000	RD	GLX4-FF440	0.430

For contactors GLC1-F185 and GLC1-F225

Specifications

- Average consumption :
inrush : 737...902 W.
sealed : 4.13...5.07 W.

24	0.79	169	14.9	BD	GLX4-FG024	0.550
48	3.2	662	55.3	ED	GLX4-FG048	0.550
110	14.9	2810	241	FD	GLX4-FG110	0.550
125	19	3320	289	GD	GLX4-FG125	0.550
220/230	57.7	10, 200	890	MD	GLX4-FG220	0.550
250	76	12, 400	1140	UD	GLX4-FG250	0.550
440/460	223	39, 700	4210	RD	GLX4-FG440	0.550

For contactors GLC1-F265 and GLC1-F330

Specifications

- Average consumption :
inrush : 655...803 W.
sealed : 3.68...4.53 W.

24	0.9	192	26.3	BD	GLX4-FH024	0.740
48	3.49	707	92.9	ED	GLX4-FH048	0.740
110	16.8	3180	424	FD	GLX4-FH110	0.740
125	20.8	3840	530	GD	GLX4-FH125	0.740
220/230	65.7	11, 500	1590	MD	GLX4-FH220	0.740
250	84	13, 900	1910	UD	GLX4-FH250	0.740
440/460	255	44, 000	7570	RD	GLX4-FH440	0.740

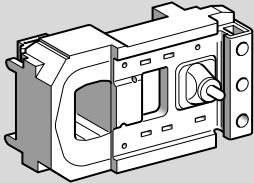
For contactor GLC1-F400

Specifications

- Average consumption :
inrush : 920...1140 W.
sealed : 4...7.5 W.

48	2.5	558	56	ED	GLX4-FJ048	0.970
110	12.7	2660	270	FD	GLX4-FJ110	0.970
125	15.8	3130	330	GD	GLX4-FJ125	0.970
220	47	8820	910	MD	GLX4-FJ220	0.970
250	61	10, 500	1200	UD	GLX4-FJ250	0.970
440	236	33, 750	4435	RD	GLX4-FJ440	0.970

- Contactors type GLC1-F
- Coils for GLC1-F500 to F780, d.c. supply
- References



Low sealed consumption.

For contactor GLC1-F500

Specifications

- Average consumption :
inrush : 990...1220 W.
sealed : 4.5...8 W.

Control circuit voltage U _c (V)	Average resistance at 20°C ± 10%(Ω)		Inductance of coiled circuit (H)	Voltage code	Reference	Weight (kg)
	Inrush	Sealed				
48	2.35	515	67	ED	GLX4-FK048	1.080
110	11.5	2450	280	FD	GLX4-FK110	1.080
125	15	2930	400	GD	GLX4-FK125	1.080
220	44	8150	1080	MD	GLX4-FK220	1.080
250	56	9650	1350	UD	GLX4-FK250	1.080
440	225	31, 300	5270	RD	GLX4-FK440	1.080

For contactor GLC1-F630

Specifications

- Average consumption :
inrush : 1420...1920 W.
sealed : 6.5...72.5 W.

Control circuit voltage U _c (V)	Average resistance at 20°C ± 10%(Ω)		Inductance of coiled circuit (H)	Voltage code	Reference	Weight (kg)
	Inrush	Sealed				
48	1.7	353	40.5	ED	GLX4-FL048	1.450
110	8.1	1680	180	FD	GLX4-FL110	1.450
125	10	2110	230	GD	GLX4-FL125	1.450
220	31	5160	650	MD	GLX4-FL220	1.450
250	38	6080	815	UD	GLX4-FL250	1.450
440	152	23, 120	2910	RD	GLX4-FL440	1.450

For contactor GLC1-F780

Specifications

- Average consumption :
inrush : 1960...2420 W.
sealed : 42...52 W.

Control circuit voltage U _c (V)	Average resistance at 20°C ± 10%(Ω)		Inductance of coiled circuit (H)	Voltage code	Reference	Weight (kg)
	Inrush	Sealed				
110	6.1(2)	280(2)	0.26	FD	GLX4-FX110(1)	3.000
125	7.7(2)	410(2)	0.33	GD	GLX4-FX125(1)	3.000
220	24.6(2)	1100(2)	1	MD	GLX4-FX220(1)	3.000
250	29.8(2)	1330(2)	1.25	UD	GLX4-FX250(1)	3.000
440	92(2)	4180(2)	3.5	RD	GLX4-FX440(1)	3.000

(1) Reference of set of 2 identical coils, to be connected in series.

(2) Value of the 2 coils in series.