

2 Contactors

Three-pole contactors with AC control circuit



BG06 A...BG12 A



BF09 A...BF25 A



BF26 A...BF38 A



BF40 A...BF80 A

new



BF85 A...BF150 A



B145...B180



B250...B400

Three-phase motor control in AC3 duty												UL/CSA details								
Order code	IEC operating current I _{th} (AC1)				Maximum IEC power at ≤55°C (AC3)								Maximum UL/CSA horsepower ratings							
	≤40°C		≤55°C		≤70°C		I _e (AC3) ≤440V at ≤55°C		230V	400V	415V	440V	500V	690V	1000V	Single phase 120V	240V	Three phase 200V 240V 480V 600V		
[A]	[A]	[A]	[A]	[A]	[A]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[kW]	[HP]	[HP]	[HP]	[HP]	[HP]	[HP]
11 BG06 01 A①	16	14	12	6	—	1.5	2.2	2.4	2.5	3	3	—	—	—	1/3	1	1 1/2	2	3	3
11 BG06 10 A①	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11 BG09 01 A①	20	18	15	9	—	2.2	4	4.3	4.5	5	5	—	—	—	1/2	1 1/2	2	3	5	5
11 BG09 10 A①	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11 BGF09 01 A①	20	18	15	9	—	2.2	4	4.3	4.5	5	5	—	—	—	1/2	1 1/2	2	3	5	5
11 BGF09 10 A①	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11 BGP09 01 A①	20	18	15	9	—	2.2	4	4.3	4.5	5	5	—	—	—	1/2	1 1/2	2	3	5	5
11 BGP09 10 A①	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11 BG12 01 A①②	20	18	15	12	—	3.2	5.7	6.2	5.5	5	5	—	—	—	1/2	1 1/2	3	3	7 1/2	10
11 BG12 10 A①②	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
BF09 01 A①②	25	20	18	9	—	2.2	4.2	4.5	4.8	5.5	7.5	—	—	—	3/4	2	3	3	5	7 1/2
BF09 10 A①②	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
BF12 01 A①②	28	23	20	12	—	3.2	5.7	6.2	6.2	7.5	10	—	—	—	1	2	5	5	7 1/2	10
BF12 10 A①②	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
BF18 01 A①②	32	26	23	18	—	4	7.5	9	9	10	10	—	—	—	1	3	5	5	10	15
BF18 10 A①②	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
BF25 01 A①	32	26	23	25	—	7	12.5	13.4	13.4	15	11	—	—	—	2	3	7 1/2	7 1/2	15	15
BF25 10 A①	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
BF26 00 A①②	45	36	32	26	—	7.3	13	14	14	15.6	18.5	—	—	—	2	5	7 1/2	7 1/2	15	20
BF32 00 A①②	56	45	40	32	—	8.8	16	17	17	20	22	—	—	—	3	7 1/2	10	10	20	25
BF38 00 A①	56 (60②)	45 (48②)	40 (42②)	38	—	11	18.5	18.5	18.5	20	22	—	—	—	3	7 1/2	10	15	30	30
BF40 00A ①	70	60	50	40	—	11	18.5	22	22	22	30	18.5	—	—	3	7 1/2	10	15	30	40
BF50 00A ①②	90	75	60	50	—	15	22	30	30	30	37	22	—	—	5	10	15	20	40	40
BF65 00A ①②	100	80	65	65	—	18.5	30	37	37	37	45	30	—	—	—	—	20	25	50	60
BF80 00A ①	115	95	75	80	—	22	45	45	45	55	75	37	—	—	—	—	25	30	60	75
BF85 00A ①	125	105	90	85	—	22	45	45	45	55	75	37	—	—	—	—	25	30	60	75
BF95 00A ①	140	115	100	95	—	30	55	55	55	75	90	45	—	—	—	—	30	30	60	75
BF115 00A ①	160	130	115	115	—	37	55	55	55	75	110	55	—	—	—	—	40	40	75	100
BF150 00A ①	165	135	118	150	—	45	75	75	75	90	110	55	—	—	—	—	50	50	100	125
11 B145 00②③	250	235	190	150	—	46	80	88	93	100	120	75	—	—	—	—	50	50	100	125
11 B180 00②③	275	250	200	185	—	57	100	108	115	123	144	103	—	—	—	—	60	75	150	150
11 B250 00②③	350	300	250	265	—	83	140	155	164	176	212	156	—	—	—	—	75	100	200	250
11 B310 00②③	450	370	300	320	—	100	170	188	200	213	256	180	—	—	—	—	100	125	250	300
11 B400 00②③	550	430	360	420	—	130	225	247	263	271	352	208	—	—	—	—	125④	150④	350④	400④
11 B500 00②③	700	550	500	520	—	156	290	306	328	367	416	312	—	—	—	—	150④	200④	400④	450④
11 B630 00②③	800	640	540	630	—	198	355	368	368	368	440	368	—	—	—	—	200	250	500	500
11 B630 1000 00②③	1000	850	700	—	—	For AC1/Resistive duty only, see page 2-8.								—	—	—	—	—	—	
11 B1250 24③④	1250	1050	880	—	—	For AC1/Resistive duty only, see page 2-8.								No UL	—	—	—	—	—	—
11 B1600 24③④	1600	1360	1120	—	—	For AC1/Resistive duty only, see page 2-8.								No UL	—	—	—	—	—	—

- ① Complete order code with coil voltage digit or with voltage digit followed by 60 (if 60Hz). Standard voltages are as follows:
 - AC 50/60Hz 024 / 048 / 110 / 230 / 400V
 - AC 60Hz 024 60 / 048 60 / 120 60 / 220 60 / 230 60 / 460 60 / 575 60 (V).
 Example: 11 BG06 10 A230 for mini-contactor BG06, three poles, with one NO contact and 230VAC 50/60Hz coil.
 11 BG06 10 A460 60 for mini-contactor BG06 with one NO contact and 460VAC 60Hz coil.
- ② The coil of the contactor can be powered indifferently in AC or DC. Complete the order code only with the digit of the coil voltage. Standard voltages are:
 - AC/DC 24 / 48 / 60 / 110-125 (indicate 110) / 220-240 (indicate 220) / 380-415 (indicate 380) / 440-480V (indicate 440).
 Example: 11 B145 00 110 for contactor B145, three poles, without auxiliary contacts and with 110-125VAC/DC coil.
- The 24VAC/DC voltage is not possible for B500-B630 1000 contactors. Other voltages available on request.
- ③ If predisposed for mechanical latch (G495), the order code becomes 11 B...SL.00 ②. If already fitted with mechanical latch (G495), the order code becomes 11 B...L.00 ② ④.

- ④ Indicate rated voltage of the mechanical latch, preceded by the letter C if in DC. Available voltages are:
 - AC 50/60Hz 48 / 110-125 indicate 110 / 220-240 indicate 220 / 380-415V indicate 380
 - DC 48 / 110-125 indicate 110 / 220-240V indicate 220.
 Example: 11 B145L 00 110 220 for contactor B145 without auxiliary contacts, with 110-125VAC/DC coil and mechanical latch powered at 220-240VAC.
- ⑤ G495 mechanical latch cannot be mounted.
- ⑥ Complete the order code with the digit of the coil voltage. For 110-125VAC (50/60Hz) indicate 110 or 220-240VAC (50/60Hz) indicate 220. Example: 11 B1250 24 110 for contactor B1250, three poles, with 2NO+4NC auxiliary contacts and 110-125VAC 50/60Hz coil.
- ⑦ Maximum voltage is limited at 300V for UL. For certified type up to 600V, consult Technical support for information; see contact details on inside front cover.
- ⑧ For voltages 024 / 230 / 400VAC 50-60Hz: 10 pieces/package. For all other voltages: 1 piece/package.
- ⑨ Highly conductive auxiliary contact.
- ⑩ For use at this other current value, a 16mm² cable, headed with a fork terminal, must be used.
- ⑪ No UL/CSA ratings; data given for indication and reference purposes only.
- ⑫ Definite-purpose (DP) contactors are available. Consult Technical support for information; see contact details on inside front cover.