

### Reversing contactor assemblies



11 BGR...



BFA...



11 BGT...



11 BGTP...

### Changeover contactor assemblies



11 BGC09 ...

Order code	IEC le (AC3) ≤440V ≤55°C	Max. IEC power AC3 400V at ≤55°C	Built-in auxiliary contacts	Qty per pkg	Wt
	[A]	[kW]	NO NC	n°	[kg]

AC COIL.  
Terminals: clamp screw.  
External interlock with power and auxiliary wiring.

11 BGR09 01 A ①	9	4	0 1 ①	1	0.394
11 BGR12 01 A ①	12	5.7	0 1 ①	1	0.394
BFA009 42 ①	9	4.2	0 1 ①	1	0.760
BFA012 42 ①	12	5.7	0 1 ①	1	0.760
BFA018 42 ①	18	7.5	0 1 ①	1	0.760
BFA025 42 ①	25	12.5	0 1 ①	1	0.760

Built-in interlock with power wiring only.

11 BGT09 10 A ①	9	4	1 ① 0	1	0.380
11 BGT12 10 A ①	12	5.7	1 ① 0	1	0.380

Rear terminals: PCB solder pins.  
Built-in interlock only.

11 BGTP09 01 A ②	9	4 ②	0 1 ①	1	0.400
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DC COIL.  
Terminals: clamp screw.  
External interlock with power and auxiliary wiring.

11 BGR09 01 D ②	9	4	0 1 ①	1	0.460
11 BGR12 01 D ②	12	5.7	0 1 ①	1	0.460

Built-in interlock with power wiring only.

11 BGT09 10 D ②	9	4	1 ① 0	1	0.445
11 BGT12 10 D ②	12	5.7	1 ① 0	1	0.445

Rear terminals: PCB solder pins.  
Built-in interlock only.

11 BGTP09 01 D ②	9	4 ②	0 1 ①	1	0.460
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### General characteristics

#### REVERSING CONTACTOR ASSEMBLIES

Supplied complete, ready for quick mounting.

The various versions are composed as follows:

BGR... Screw termination, external mechanical interlock BGX50 00, power and auxiliary wiring.  
BGT... Screw termination, built-in mechanical interlock and power wiring only.  
BGTP... Rear PCB solder pin termination, built-in mechanical interlock only.

No thermal overload relay can be directly mounted to BG... reversing contactor assemblies.

BFA... Screw termination, mechanical interlock BFX50 02 and power wiring.

The thermal overload relay RF38... can be directly mounted to BFA... reversing contactor assemblies; for selection, refer to section 3.

#### CHANGEOVER CONTACTOR ASSEMBLIES

Supplied complete, ready for quick mounting as follows:

BGC09 T4 Four-pole contactors with built-in mechanical interlock. No power or auxiliary wiring included.

#### Operational characteristics

Type	Maximum IEC operational power at ≤55°C (AC3)					
	230V [kW]	400V [kW]	415V [kW]	440V [kW]	500V [kW]	690V [kW]
BGR09	2.2	4	4.3	4.5	5	5
BGT09	2.2	4	4.3	4.5	5	5
BGTP09 ①	2.2	4	4.3	4.5	5	—
BGR12	3.2	5.7	6.2	5.5	5	5
BGT12	3.2	5.7	6.2	5.5	5	5
BFA009	2.2	4.2	4.5	4.8	5.5	7.2
BFA012	3.2	5.7	6.2	6.2	7.5	10
BFA018	4	7.5	9	9	10	10
BFA025	7	12.5	13.4	13.4	15	11

at ≤40°C (AC1)

BGC09 T4	8	14	14	15	16	22
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Maximum UL/CSA horsepower rating

	Single phase		Three phase			
	120V [HP]	240V [HP]	208V [HP]	240V [HP]	480V [HP]	600V [HP]
BGR09	½	1½	2	3	5	5
BGT09	½	1½	2	3	5	5
BGTP09	½	1½	2	3	5 ①	— ①
BGR12	½	1½	3	3	7½	10
BGT12	½	1½	3	3	7½	10
BFA009	¾	2	3	3	5	7½
BFA012	1	2	5	5	7½	10
BFA018	1	3	5	5	10	15
BFA025	2	3	7½	7½	15	15

NOTE: BGR09, BGT09, BGR12, BGT12... types are UL Listed for USA and Canada as "Magnetic Motor Controller – Reversing Contactors". All these are rated 20A general (purpose) use and suitable for use on a circuit capable of delivering more than 5kA symmetrical. Amps at 600V max when protected by fuses class K5 rated no more than 30A. BGTP09 type is UL Recognized for USA and Canada as "Magnetic Motor Controller – Component – reversing contactors". Max HP rating up to 300VAC only; rated 20A general (purpose) use. BGC... types are UL Listed for USA and Canada as "Magnetic Motor Controller – Changeover contactor". No coil change or replacement is possible for any BG... types.

#### Add-on blocks

Refer to section 2, pages 2-16 and 2-18.

Special add-on auxiliary contacts 11 BGX11 11 or 11 BGX11 12 must be used on the left-side contactor of the BGT reversing assemblies.

For the right-side contactor, normal 11 BGX10... types of auxiliary contacts can be used instead.

Refer to page 2-16 for details.

#### Certifications and compliance

Certifications obtained: UL Listed for USA and Canada (File E93602) for BGR09, BGT09, BGR12, BGT12, BFA... and BGC... (see NOTE above).

UL Recognized, for USA and Canada (cULus - File E93602 Component), for BGTP09; products having this type of marking are intended for use as components of complete workshop-assembled equipment.

Compliant with standards IEC/EN 60947-1, IEC/EN 60947-4-1, UL508, CSA C22.2 n° 14.

Order code	IEC Operating current (AC1)			UL/CSA General Use	Qty per pkg	Wt
	≤40°C	≤55°C	≤60°C			
	[A]	[A]	[A]	[A]	n°	[kg]

AC COIL.  
Terminals: clamp screw.  
Built-in interlock only.

11 BGC09 T4 A ①	20	18	15	20	1	0.365
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DC COIL.  
Terminals: clamp screw.  
Built-in interlock only.

11 BGC09 T4 D ②	20	18	15	20	1	0.450
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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 BGR09 01 A024 for reversing contactor assembly with 2 mini-contactors BG09 having 1 NC auxiliary contact each and 24VAC 50/60Hz coil.  
11 BGR09 01 A024 60 for reversing contactor assembly with 2 mini-contactors BG09 having 1 NC auxiliary contact each and 24VAC 60Hz coil.

② Complete order code with coil voltage digit.

Standard voltages are:

– DC 012 / 024 / 048 / 060 / 110 / 125 / 220V.

Example: 11BGC09 T4 D012 is a changeover contactor assembly with 2 mini-contactors BG09 having 4 main poles each and 12VDC coil.

③ One auxiliary contact for each contactor.

④ Maximum voltage is limited at 300V for UL. For certified type up to 600V, consult Customer Service; see contact details on front inside cover.