Add-on blocks and accessories

2



11 BGX10... (20-11-02)
11 BGX11 11



11 BGX10... (40-31-22-13-04)
11 BGX11 22



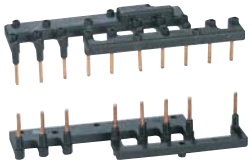
11 BGXF...



11 BGX77... -
11 BGX78 225 -
11 BGX79...



11 BGX50 00



11 SMX90 21
11 SMX90 22

Order code	Characteristics ❼	Max qty per contactor	Qty per pkg	Wt
		n°	n°	[kg]
Auxiliary contacts. Screw terminals.				
11 BGX10 02❶	2NC	1	10	0.021
11 BGX10 11❶	1NO + 1NC	1	10	0.021
11 BGX10 20❶	2NO	1	10	0.021
11 BGX10 04❷	4NC	1	10	0.028
11 BGX10 13❷	1NO + 3NC	1	10	0.028
11 BGX10 22❶	2NO + 2NC	1	10	0.028
11 BGX10 31❶	3NO + 1NC	1	10	0.028
11 BGX10 40❶	4NO	1	10	0.028
Auxiliary contacts for reversing and changeover assemblies. Screw terminals.				
11 BGX11 11❸	1NO + 1NC	1	10	0.021
11 BGX11 22❸	2NO + 2NC	1	10	0.028
Auxiliary contacts. Faston terminals.				
11 BGXF10 02❶	2NC	1	10	0.021
11 BGXF10 11❶	1NO + 1NC	1	10	0.021
11 BGXF10 20❶	2NO	1	10	0.021
11 BGXF10 04❷	4NC	1	10	0.028
11 BGXF10 13❷	1NO + 3NC	1	10	0.028
11 BGXF10 22❶	2NO + 2NC	1	10	0.028
11 BGXF10 31❶	3NO + 1NC	1	10	0.028
11 BGXF10 40❶	4NO	1	10	0.028
Mechanical interlock.				
11 BGX50 00❶	For all BG...A and BG...D	1	10	0.008
Quick connect surge suppressors.				
11 BGX77 048	≤48VAC/DC (Varistor)		10	0.007
11 BGX77 125	48-125VAC/DC (Varistor)		10	0.007
11 BGX77 240	125-240VAC/DC (Varistor)		10	0.007
11 BGX78 225	≤225VDC (Diode)		10	0.007
11 BGX79 048	≤48VAC (Resistor-Capacitor)		10	0.007
11 BGX79 125	48-125VAC (Resistor-Capacitor)		10	0.007
11 BGX79 240	125-240VAC (Resistor-Capacitor)		10	0.007
11 BGX79 415	240-415VAC (Resistor-Capacitor)		10	0.007
Modular shroud.				
11 BGX80 00❹	Raises protection to IEC IP40 w/consumer boards		20	0.006
Paralleling links. Clamp-screw terminals.				
11 G323❺	For 2 poles		10	0.009
11 G324			10	0.009
11 G325❺	For 4 poles		10	0.014
11 G326			10	0.014
Rigid connecting kits.				
11 SMX90 21❻	For star-delta starter composed by 3-contactor combination of BG types (line-star-delta)		10	0.040
11 SMX90 22❻	For reversing contactor assembly composed by mini-contactors BG		1	0.026

❶ Cannot be used with BG...L types.
❷ Cannot be used with BG...D and BG...L types.
❸ Suitable for left-hand mini-contactor only of BGT and BGTP reversing and BGC changeover assemblies.
❹ The shroud can be used with BG... types with screw termination only and with no auxiliary contacts, surge suppressor or mechanical interlock mounted.
It raises the front degree of protection of the mini-contactor when these are used in consumer switchboards.
❺ Cannot be used with BGX80 00 shroud.
❻ Contactors with one NC auxiliary contact, 01 type, are usually used for reversing assemblies.
The relay cannot be directly mounted on the contator. Use the RF38 type and the RFX38 04 independent mounting base.
The SM1 breaker can be directly fitted using the SMX90 03 rigid connector.
❼ All contacts are each SPST.

Operational characteristics for add-on auxiliary contacts

Type			BGX10... BGX11...	BGXF10...
IEC rated conventional free air thermal current Ith		A	10	10
IEC rated insulation voltage Ui voltage Ui		V	690	690
Terminals	Type		M3 screw	Faston 1x6.3mm 2x2.8mm
	Width	mm	6.9	6.9
Tightening torque		Nm	0.8-1	—
		lbin	7-9	—
Conductor section maximum with 1 or 2 cables	flexible without lug	mm^2	2.5	2.5
	flexible with lug	mm^2	2.5	2.5
	AWG	n°	14	14
UL/CSA and IEC/EN 60947-5-1 designation		AC	A600	A600
		DC	Q600	Q600
Mechanical life (million)		cycles	20	20

SM1 breaker - mini-contactor connecting kits
See page 1-5.

Positive (force) guided contacts
See page 2-57.

Certifications and compliance
Certifications obtained:

Type		cULus	EAC	CCC
BGX10...	—	●	●	●
BGX11...	—	●	●	●
BGXF10...	—	●	●	—
BGX50 00	—	●	●	—
BGX7...	—	●	●	—
BGX80 00	—	—	●	—
G32...	—	—	●	—
SMX90...	●	—	—	—

● Certified products;

- UL Recognized for USA only (File E197069) as Panel and Switchboard Accessories - Component. Products having this type of marking are intended for use as components of complete workshop-assembled equipment.
cULus - UL Listed for USA and Canada (cULus - File E93601) as Auxiliary Devices - Component.

Compliant with standards: UL508, CSA C22.2 n° 14, IEC/EN 60947-1; IEC/EN 60947-5-1 for auxiliary contacts.

Contacters

Add-on blocks and accessories for BG series mini-contactors

Order code	Characteristics	Max qty per contactor n°	Qty per pkg n°	Wt [kg]
Auxiliary contacts with front centre mounting. Screw terminals.				
11 BGX10 02	2NC	1	10	0.021
11 BGX10 11	1NO + 1NC	1	10	0.021
11 BGX10 20	2NO	1	10	0.021
11 BGX10 04	4NC	1	10	0.028
11 BGX10 13	1NO + 3NC	1	10	0.028
11 BGX10 22	2NO + 2NC	1	10	0.028
11 BGX10 31	3NO + 1NC	1	10	0.028
11 BGX10 40	4NO	1	10	0.028
Auxiliary contacts with front centre mounting. Faston terminals.				
11 BGXF10 02	2NC	1	10	0.021
11 BGXF10 11	1NO + 1NC	1	10	0.021
11 BGXF10 20	2NO	1	10	0.021
11 BGXF10 04	4NC	1	10	0.028
11 BGXF10 13	1NO + 3NC	1	10	0.028
11 BGXF10 22	2NO + 2NC	1	10	0.028
11 BGXF10 31	3NO + 1NC	1	10	0.028
11 BGXF10 40	4NO	1	10	0.028
Mechanical interlock.				
11 BGX50 00	For all BG types	1	10	0.008
Quick connect surge suppressors.				
11 BGX77 048	≤48VAC/DC (Varistor)		10	0.007
11 BGX77 125	48-125VAC/DC (Varistor)		10	0.007
11 BGX77 240	125-240VAC/DC (Varistor)		10	0.007
11 BGX78 225	≤225VDC (Diode)		10	0.007
11 BGX79 048	≤48VAC (Resistor-Capacitor)		10	0.007
11 BGX79 125	48-125VAC (Resistor-Capacitor)		10	0.007
11 BGX79 240	125-240VAC (Resistor-Capacitor)		10	0.007
11 BGX79 415	240-415VAC (Resistor-Capacitor)		10	0.007
Modular shroud.				
11 BGX80 00❶	Raises protection IP40 w/consumer boards	20		0.006
Paralleling links. Clamp-screw terminals.				
11 G323❷	For 2 poles		10	0.009
11 G324			10	0.009
11 G325❷	For 4 poles		10	0.014
11 G326			10	0.014
Rigid connecting kits.				
11 SMX90 21❸	For star-delta starter composed by 3-contactor combination of BG types (line-star-delta)		10	0.040
11 SMX90 22❸	For reversing contactor assembly composed by BG mini-contactors		1	0.026

❶ The shroud can be used with BG... types with screw termination only and with no auxiliary contacts, surge suppressor or mechanical interlock mounted. It raises the front degree of protection of the mini-contactor when these are used in consumer switchboards.

❷ Cannot be used with BGX80 00 shroud.

❸ Contactors with one NC auxiliary contact, 01 type, are usually used. The relay cannot be directly mounted on the contator. Use the RF38 type and the RFX38 04 independent mounting base.

Add-on blocks and accessories for BF series contactors

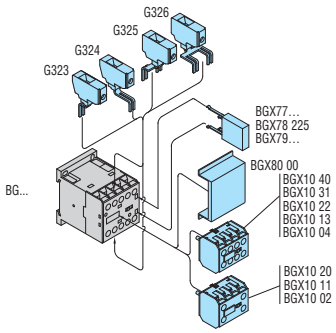
Order code	Characteristics	Max qty per contactor n°	Qty per pkg n°	Wt [kg]
Auxiliary contacts with front centre mounting. Screw terminals.				
BFX10 02❶	2NC	1	5	0.030
BFX10 11❶	1NO + 1NC	1	5	0.030
BFX10 20❶	2NO	1	5	0.030
11 G484 03❸	3NC	1	5	0.039
11 G484 12❸	1NO + 2NC	1	5	0.039
11 G484 21❸	2NO + 1NC	1	5	0.039
11 G484 30❸	3NO	1	5	0.039
BFX10 04	4NC	1	5	0.048
BFX10 13	1NO + 3NC	1	5	0.048
BFX10 22	2NO + 2NC	1	5	0.048
BFX10 31	3NO + 1NC	1	5	0.048
BFX10 40	4NO	1	5	0.048
Auxiliary contacts for front lateral mounting. Screw terminals.				
11 G418 10	1NO	2	10	0.014
11 G418 10A	1EM	2	10	0.014
11 G418 01	1NC	2	10	0.014
11 G418 01D	1LB	2	10	0.014
Auxiliary contacts for front lateral mounting. Faston terminals.				
11 G218	1NO or 1NC reversible	2	10	0.011
11 G481 20	2NO	2	10	0.013
11 G481 11	1NO + 1NC	2	10	0.013
11 G481 02	2NC	2	10	0.013
11 G482	Changeover contact	2	10	0.013
Adapter for auxiliary contact side mounting.				
11 G280	for G218	2	10	0.008
11 G419	for G418	2	10	0.010
11 G483	for G481 and G482	2	10	0.010
Auxiliary contacts for side mounting. Screw terminals. For BF09A-BF110.				
11 G428 10	1NO	2	10	0.024
11 G428 10A	1EM	2	10	0.024
11 G428 01	1NC	2	10	0.024
11 G428 01D	1LB	2	10	0.024
For BF09A-BF38A.				
BFX12 02	2 NC for BF09A-BF38A contactors	2	5	0.040
BFX12 11	1NO+1NC for BF09A-BF38A contactors	2	5	0.040
BFX12 20	2NO for BF09A-BF38A contactors	2	5	0.040
Delayed auxiliary contacts 1NO + 1NC (pneumatic operation) on energisation for front centre mounting. Screw terminals.				
11 G485 3❹	3 s	1	1	0.040
11 G485 6❹	6 s	1	1	0.040
11 G485 15❹	15 s	1	5	0.040
11 G485 30❹	30 s	1	5	0.040
11 G485 60❹	60 s	1	5	0.040
11 G485 120❹	120 s	1	1	0.040

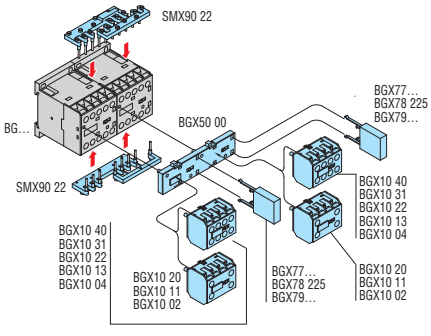
Order code	Characteristics	Max qty per contactor n°	Qty per pkg n°	Wt [kg]
Delayed auxiliary contacts 1NO + 1NC (pneumatic operation) on de-energisation for front centre mounting. Screw terminals.				
11 G486 3❹	3 s	1	1	0.040
11 G486 6❹	6 s	1	1	0.040
11 G486 15❹	15 s	1	5	0.040
11 G486 30❹	30 s	1	5	0.040
11 G486 60❹	60 s	1	5	0.040
11 G486 120❹	120 s	1	1	0.040
11 G487❹	70 ms	1	1	0.040
Fourth pole.				
BFX42	For BF26A-BF32A and BF38A contactors	1	1	0.070
Mechanical interlocks.				
BFX50 00	Side mount for BF09A-BF38A contactors	1	5	0.032
BFX50 01	Side mount with 2NC contacts for BF09A-BF38A contactors	1	5	0.040
BFX50 02	Front mount for BF09A-BF38A contactors	1	5	0.005
BFX50 03	Front mount for BF09A-BF38A contactors	1	5	0.023
11 G269 2	Front mount for BF50-BF110 contactors	1	10	0.028
Mechanical latch. Screw terminals.				
11 G222 ❺	For BF09A-BF38A, contactors	1	1	0.059
11 G272 ❺	For BF50-BF110 contactors	1	1	0.059
Manual closing mechanism.				
11 G454	For BF09A-BF38A, contactors	1	1	0.021
11 G455	For BF50-BF110 contactors	1	1	0.028
Surge suppressors, snap on, for BF09A-BF38A contactors.				
BFX77 048	≤48VAC (Varistor)		10	0.010
BFX77 125	48-125VAC (Varistor)		10	0.010
BFX77 240	125-240VAC (Varistor)		10	0.010
BFX79 048	≤48VAC (Resistor-Capacitor)		10	0.010
BFX79 125	48-125VAC (Resistor-Capacitor)		10	0.010
BFX79 240	125-240VAC (Resistor-Capacitor)		10	0.010
BFX79 415	240-415VAC (Resistor-Capacitor)		10	0.010
Surge suppressor, snap on, for BF50-BF110 contactors. Faston terminals.				
11 G318 48	≤48VAC/DC (Varistor)		10	0.008
11 G318 125	48-125VAC/DC (Varistor)		10	0.008
11 G318 240	125-240VAC/DC (Varistor)		10	0.008
11 G318 415	240-415VAC/DC (Varistor)		10	0.008
11 G319 225	≤225VDC (Diode)		10	0.008
11 G322 48	≤48VAC (Resistor-Capacitor)		10	0.008
11 G322 220	48-240VAC (Resistor-Capacitor)		10	0.008
11 G322 380	240-415VAC (Resistor-Capacitor)		10	0.008
Suppressor mounting support.				
11 RE244	For 35mm DIN rail (IEC/EN 60715)		10	0.004

❹ Contacts can also be fitted on B type contactors using the adapter G358.

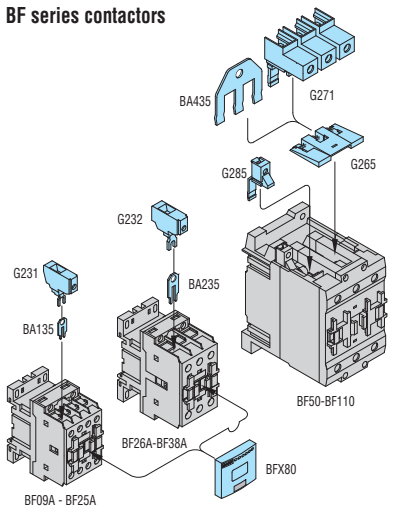
❺ Replace with the digit of the voltage if 50 or 60Hz and with the letter C followed by the digit of the voltage if DC.
Standard voltages are:
– AC (50/60Hz) 24 / 48 / 110-125 indicate 110 / 220-240 indicate 220 / 380-415VAC indicate 380 (VAC 50/60Hz)
– DC 12 / 24 / 48 / 110-125 indicate 110 / 220-240 indicate 220 (VDC).

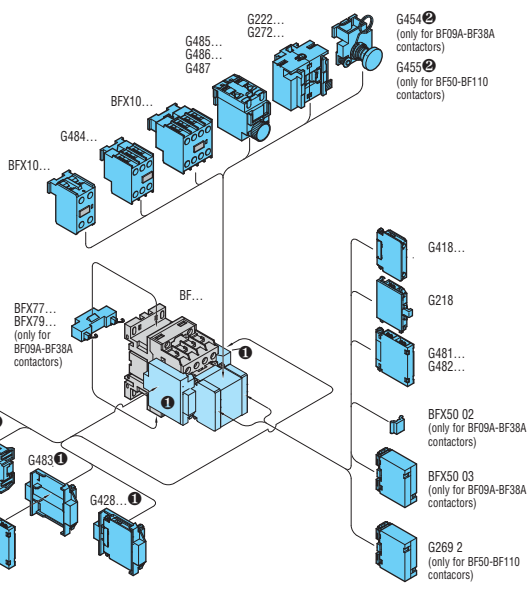
BG series mini-contactors





BF series contactors





❶ Mounting not possible if front lateral contacts or mechanical interlock BFX50... are mounted.

❷ No add-on block can be mounted on front when the manual closing mechanism is fitted.

❸ Only for BF09A-BF38A contactors.