

## 2 Contactors

Add-on blocks and accessories for BF series contactors



BFX10...



11 G484...



BFX10...



11 G418...

11 G218



11 G481...  
11 G482



11 G428...

BFX12...



11 G485...  
11 G486...  
11 G487

Order code	Characteristics	Max qty per cont.	Qty per pkg.	Wt [kg]
		n°	n°	[kg]

Auxiliary contacts with front center mounting ②.  
Screw terminals.

<b>BFX10 02</b> ②	2NC	1	5	0.030
<b>BFX10 11</b> ②	1NO + 1NC	1	5	0.030
<b>BFX10 20</b> ②	2NO	1	5	0.030
<b>11 G484 03</b> ②	3NC	1	5	0.039
<b>11 G484 12</b> ②	1NO + 2NC	1	5	0.039
<b>11 G484 21</b> ②	2NO + 1NC	1	5	0.039
<b>11 G484 30</b> ②	3NO	1	5	0.039
<b>BFX10 04</b>	4NC	1	5	0.048
<b>BFX10 13</b>	1NO + 3NC	1	5	0.048
<b>BFX10 22</b>	2NO + 2NC	1	5	0.048
<b>BFX10 31</b>	3NO + 1NC	1	5	0.048
<b>BFX10 40</b>	4NO	1	5	0.048
<b>BFX10 11 11</b>	1NO+1NC and 1EM+1LB②④	1	5	0.048

Auxiliary contacts with front lateral mounting. Screw terminals⑤.

<b>11 G418 01</b>	1NC	2	10	0.014
<b>11 G418 01D</b>	1LB⑤	2	10	0.014
<b>11 G418 10</b>	1NO	2	10	0.014
<b>11 G418 10A</b>	1EM⑤	2	10	0.014

Auxiliary contacts with front lateral mounting. Faston terminals⑤.

<b>11 G218</b>	1NO or 1NC reversible	2	10	0.011
<b>11 G481 02</b>	2NC	2	10	0.013
<b>11 G481 11</b>	1NO + 1NC	2	10	0.013
<b>11 G481 20</b>	2NO	2	10	0.013
<b>11 G482</b> ②⑤	Changeover contact	2	10	0.013

Adapter for auxiliary contact side mounting.

<b>11 G280</b>	for G218	2	10	0.008
<b>11 G419</b>	for G418	2	10	0.010
<b>11 G483</b>	for G481 and G482	2	10	0.010

Auxiliary contacts with low side mounting. Screw terminals.

<b>BFX12 02</b> ②	2NC for BF00, BF09...BF94	2	5	0.044
<b>BFX12 11</b> ②	1NO+1NC for BF00, BF09...BF94	2	5	0.044
<b>BFX12 20</b> ②	2NO for BF00, BF09...BF94	2	5	0.044
<b>11 G428 01</b>	1NC	2	10	0.024
<b>11 G428 01D</b>	1LB⑤	2	10	0.024
<b>11 G428 10</b>	1NO	2	10	0.024
<b>11 G428 10A</b>	1EM⑤	2	10	0.024

Delayed auxiliary contacts 1NO + 1NC (pneumatic operation) on energisation for front center mounting ①⑤.  
Screw terminals.

<b>11 G485 3</b>	3s	1	1	0.040
<b>11 G485 6</b>	6s	1	1	0.040
<b>11 G485 15</b>	15s	1	5	0.040
<b>11 G485 30</b>	30s	1	5	0.040
<b>11 G485 60</b>	60s	1	5	0.040
<b>11 G485 120</b>	120s	1	1	0.040

Delayed auxiliary contacts 1NO + 1NC (pneumatic operation) on de-energisation for front center mounting ①⑤.  
Screw terminals.

<b>11 G486 3</b>	3s	1	1	0.040
<b>11 G486 6</b>	6s	1	1	0.040
<b>11 G486 15</b>	15s	1	5	0.040
<b>11 G486 30</b>	30s	1	5	0.040
<b>11 G486 60</b>	60s	1	5	0.040
<b>11 G486 120</b>	120s	1	1	0.040
<b>11 G487</b>	70ms	1	1	0.040

### Operational characteristics for add-on auxiliary contacts

Type		G418⑤ G428⑤ G485⑤ G486⑤ G487⑤	G484 BFX10 BFX12	G218⑦ G481⑦	G482⑤
IEC conventional free air thermal current Ith	A	10	10	10	0.1⑤
IEC rated insulation voltage Ui	V	690	690	690	690
Terminals	Screw	M3.5	M3	—	—
	Width	mm	7	7	—
	Faston	—	—	1x6.35 2x2.8	1x6.35 2x2.8
Tightening torque	Nm	0.8...1	0.8...1	—	—
	lbin	7...9	7...9	—	—
Conductor section maximum with (1 or 2 cables)	flexible w/o lug	mm <sup>2</sup>	2.5	2.5	—
	flexible c/w lug	mm <sup>2</sup>	2.5	2.5	2.5
	AWG	n°	14	14	14
	Terminal protection per IEC/EN60529		IP20 ⑥⑤	IP20	IP20⑦
UL/CSA and IEC/EN 60947-5-1 designation	AC	A600	A600	A600	A600
	DC	P600⑥	Q600	P600	P600
Mechanical life (million)	cycles	10⑤	10	10	10

### SM1 breaker - contactor connecting kit

See page 1-5.

### Maximum assembly combination of add-on blocks

See pages 2-19 and 2-22...25.

### Certifications and compliance

Certifications obtained:

Type	UL	cULus	CSA	EAC	CCC
BFX10...	—	●	—	●	●
BFX12...	—	●	—	●	—
G218	UL	—	●	●	—
G418..., G428...	UL	—	●	●	—
G481...	UL	—	●	●	—
G482	UL	—	●	●	—
G484...	UL	—	●	●	—
G485...	UL	—	●	●	—
G486...	UL	—	●	●	—
G487...	UL	—	●	●	—

● Certified products; pending for BFX10 1111

UL - UL Recognized for USA only (File E93601) as Auxiliary Devices - 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.

CSA - CSA certified for Canada only (File 54332) as Auxiliary Devices for motor controllers.

Add-on auxiliary contacts are compliant with the following standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL 60947-1, UL 60947-5-1, CSA C22.2 n° 60947-1, CSA C22.2 n° 60947-5-1;

① The contacts can also be fitted on B type contactors using the adapter G358. See pages 2-26 and 2-28.

② Highly conductive contacts.

③ Normally closed late-break contact.

④ Normally open early-make contact.

⑤ Gold-plated contacts inside tight casing for use in pollutant environments. The Ith value refers to 125VAC and 30VDC.

IEC IP20 protection is warranted to equipment wired with insulated Faston terminals.

⑥ IEC IP20 protection is warranted to equipment wired with minimum 0.75mm<sup>2</sup> conductor section.

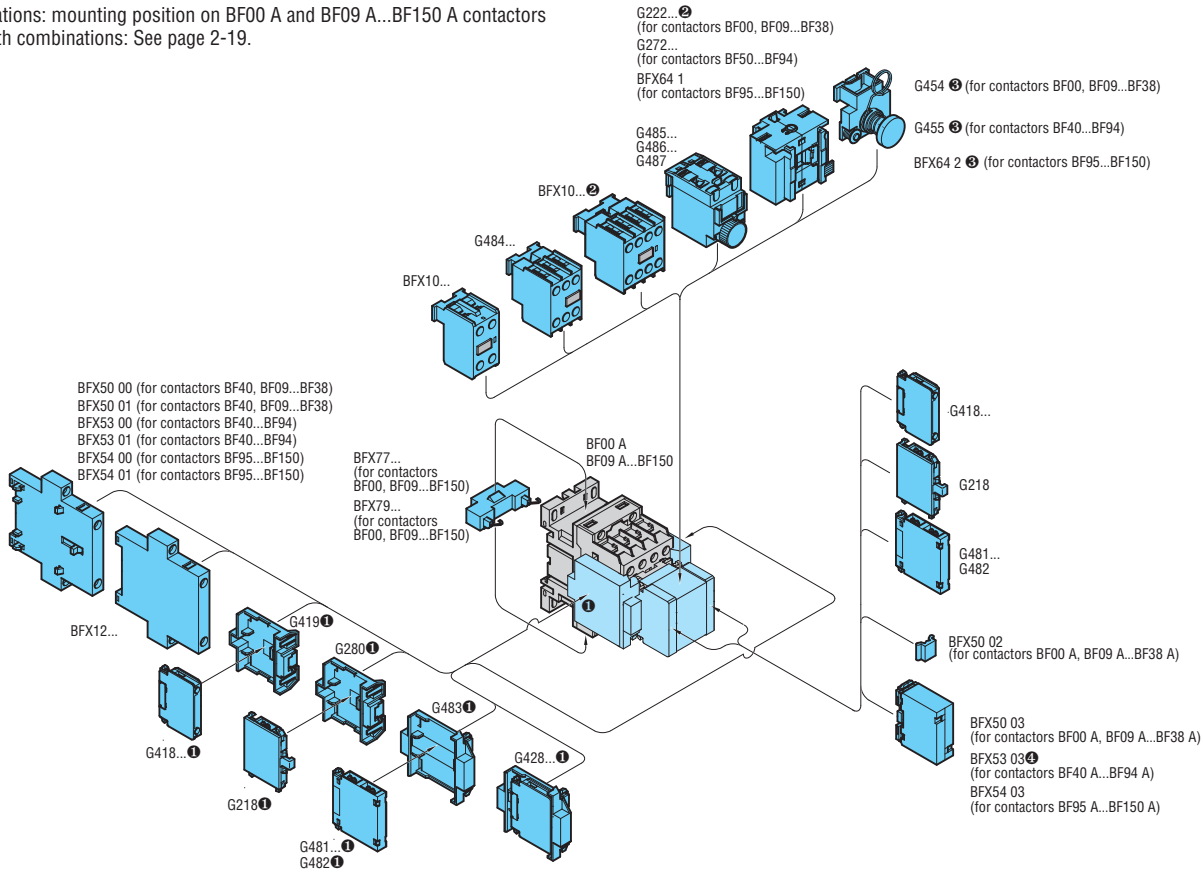
Designation in DC is Q600 for G418 and G419 types.

⑦ IEC IP20 protection is warranted to equipment wired with insulated Faston terminals.

⑧ IEC IP20 protection is warranted to equipment wired with minimum 1mm<sup>2</sup> conductor section. Mechanical life is 3 million cycles.

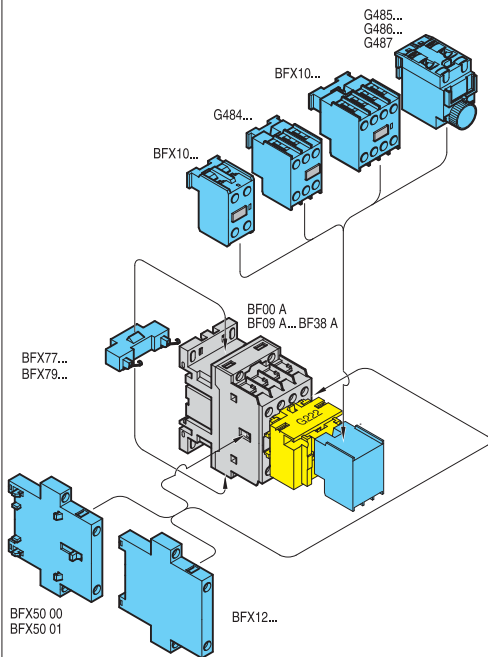
### Add-on blocks for AC and AC/DC contactors

Combinations: mounting position on BF00 A and BF09 A...BF150 A contactors  
Table with combinations: See page 2-19.

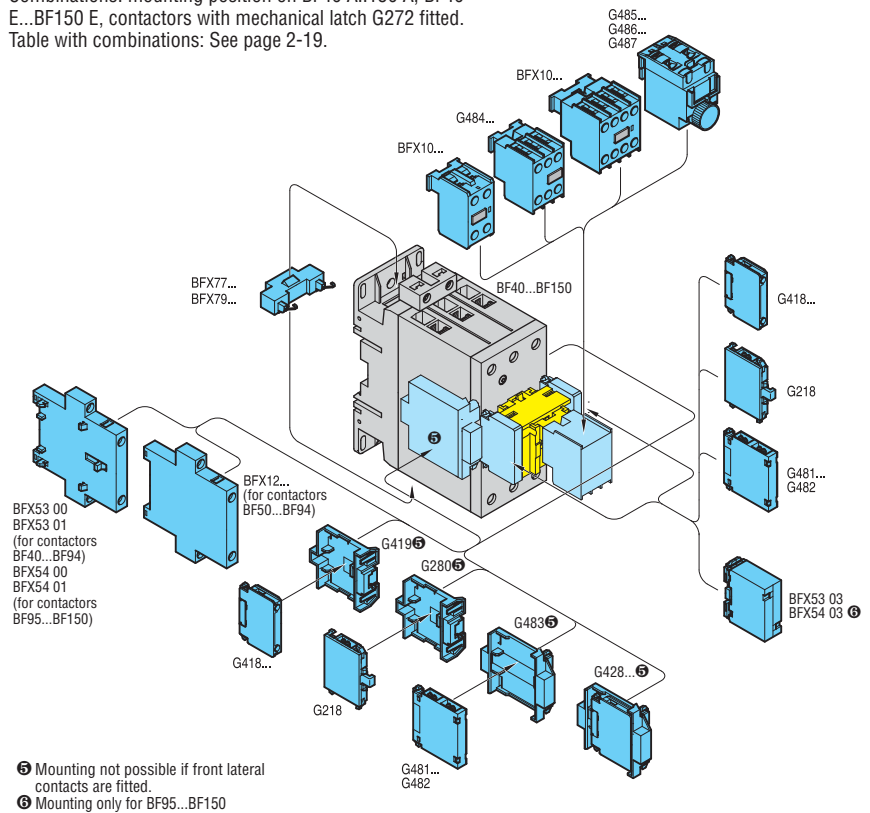


- ❶ Mounting is not possible if front lateral contacts or mechanical interlock BFX50 00 or BFX50 01 are mounted. BF00, BF09...38 cannot be fitted with BFX10 with 4 contacts or G222...
- ❷ Refer to the diagram below for use with G222... on contactors BF00 A and BF09 A...BF38 A and to the table of combinations on page 2-19.
- ❸ No add-on block can be mounted on front when the manual closing mechanism G454 or G455 is fitted.
- ❹ BFX53 03 cannot be mounted if a contact block BFX10... with 4 contacts (BFX10 04, BFX10 13, BFX10 22, BFX10 31, BFX10 40) is installed.

Combinations: mounting position on BF00 A and BF09 A-BF38 A contactors with mechanical latch G222 fitted.  
Table with combinations: See page 2-19.



Combinations: mounting position on BF40 A...150 A, BF40 E...BF150 E, contactors with mechanical latch G272 fitted.  
Table with combinations: See page 2-19.



- ❺ Mounting not possible if front lateral contacts are fitted.
- ❻ Mounting only for BF95...BF150