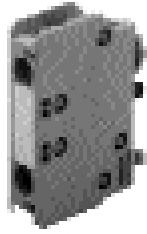




Accessories

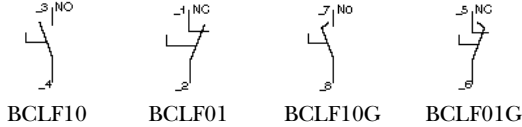
Front-Mount Auxiliary Contact Blocks (for CL contactors)



Front-mount auxiliary contact blocks clip onto front face of contactor. Contact Rating: A600 Q600.

Type	Contacts	Catalog No.	Weight
Standard	1NO	BCLF10	.5 oz.
	1NC	BCLF01	.5 oz.
Make Before Break (Overlapping Contacts)	1NO	BCLF10G	.5 oz.
	1NC	BCLF01G	.5 oz.

Instantaneous, Front-Mounted



Contact Ratings

	A600	Q600
Continuous Thermal Current	10 A	2.5 A
Max. VA/Amps Making	7200 VA / 60 A	69 VA
Max. VA/Amps Breaking	720 VA / 6 A	69 VA
Max. Operating Voltage	600 VAC	600 VDC

Note: For DC ratings at 600 Volts or less, the make and break ratings shall be obtained by dividing the voltampere rating by the application voltage but shall not exceed the continuous carrying current.

The DC rating shown in the above table shall not be exceeded when applied to control circuit devices.

Front-Mount Auxiliary Contact Block Specifications

- Rated thermal current (I_{th}) temperature below 55°C..... 10A
- Rated insulation voltage (U_i) in accordance with IEC 947 1000V
- Making capacity (r.m.s.) in accordance with IEC 947 AC 15/AC 11, U_e ≤ 400V, 50/60 Hz 90A DC 13/DC 11, U_e ≤ 220V DC 90A
- Breaking capacity (r.m.s.) in accordance with IEC 947 AC 15/AC 11, U_e ≤ 400V, 50/60 Hz 60A DC 13/DC 11, U_e ≤ 220V, DC 0.95A
- Electrical (AC-3) endurance at rated current (millions of operations) 1.0
- Short-circuit protection w/o welding 10A
- Insulation resistance
 - Between contacts > 10 MΩ
 - Between contacts and earth > 10 MΩ
 - Between input and output > 10 MΩ
- Standard (Instantaneous Contacts)
 - Guaranteed no overlap between NO and NC contacts Space 1.3 mm Time 1.5 ms

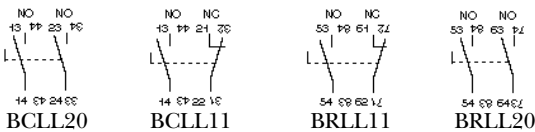
Side-Mount Auxiliary Contact Blocks (for CL and CK contactors)



Side-mount auxiliary contact blocks can be mounted on either left or right sides of contactor. Positive displacement contacts are designed to prevent simultaneous closing of NO and NC contacts to avoid overlapping between opposing functions. Contact Rating: A600 Q600.

For Use With	Contacts*	Base Block	Adder Block	Weight
5-500 hp contactors (all CL and CK contactors)	1NO-1NC	BCLL11	BRLL11	2 oz.
	2NO	BCLL20	BRLL20	2 oz.

* Maximum of two side-mount auxiliary contact blocks per side of contactor.



Contact Ratings

	A600	Q600
Continuous Thermal Current	10 A	2.5 A
Max. VA/Amps Making	7200 VA / 60 A	69 VA
Max. VA/Amps Breaking	720 VA / 6 A	69 VA
Max. Operating Voltage	600 VAC	600 VDC

Note: For DC ratings at 600 Volts or less, the make and break ratings shall be obtained by dividing the voltampere rating by the application voltage but shall not exceed the continuous carrying current.

The DC rating shown in the above table shall not be exceeded when applied to control circuit devices.

Side-Mount Auxiliary Contact Block Specifications

- Rated thermal current (I_{th}) temperature below 55°C 10A

- Rated insulation voltage (U_i) in accordance with IEC 947 1000V
- Making capacity (r.m.s.) in accordance with IEC 947 AC 15/AC 11, U_e ≤ 400V, 50/60 Hz 90A DC 13/DC 11, U_e ≤ 220V DC 90A
- Breaking capacity (r.m.s.) in accordance with IEC 947 AC 15/AC 11, U_e ≤ 400V, 50/60 Hz 60A DC 13/DC 11, U_e ≤ 220V DC 0.95A
- Electrical (AC-3) endurance at rated current (millions of operations) 1.0
- Short-circuit protection w/o welding 10A
- Insulation resistance
 - Between contacts > 10 MΩ
 - Between contacts and earth > 10 MΩ
 - Between input and output > 10 MΩ
- Standard (Instantaneous Contacts)
 - Guaranteed no overlap between NO and NC contacts Space 1.3 mm Time 1.5 ms

Accessories

Front-Mount and Side-Mount Auxiliary Contact Blocks (cont.)

Maximum Number Of Auxiliary Contact Blocks Per Each Contactor

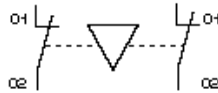
For Use With	Maximum Number Of Aux. Contact Blocks	Arrangement Of Aux. Contact Blocks
5-15 hp contactors (CL00, CL01, CL02, CL25)	4	4 Front-Mount, or 1 Side-Mount on each side
20-25 hp contactors (CL03, CL04, CL45)	6	4 Front-Mount plus 1 Side-Mount, or 2 Front-Mount plus 1 Side-Mount on each side
30-75 hp contactors (CL05, CL06, CL07, CL08, CL09, CL10)	8	6 Front-Mount plus 1 Side-Mount, or 2 Side-Mount on each side
100-500 hp contactors (CK75, CK08, CK09, CK95, CK10, CK11, CK12)	8	2 Side-Mount on each side

Mechanical Interlocks (for CL and CK contactors)



Mechanical interlock, used for horizontal interlocking of two contactors, prevents the closing of one contactor (as long as the other remains closed). Contact Rating: A600 Q600.

For Use With Two Contactors Mounted Side-By-Side	Built in Aux.	Catalog No.	Weight
5-75 hp contactors (all CL contactors)	2NC	BEL02	2 oz.
100-500 hp contactors (all CK contactors)	0	BEKH	13 oz.



BEL02

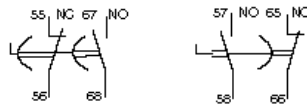
Pneumatic Timers (for CL contactors)



Pneumatic timers are adjustable time-delayed auxiliary contacts. They come equipped with two time-delayed contacts: 1NO and 1NC, electrically separated. Setting is scaled over a 350° rotation by means of a knurled knob with timing guide marks. To mount a pneumatic timer, simply clip it on front face of contactor. Contact Rating: A600 Q600.

For Use With	Type	Time Range	Contacts	Catalog No.	Weight
5-75 hp contactors (all CL contactors)	Time Delay On	.1-30 sec	1NO-1NC	BTLF30C	3 oz.
		1-60 sec	1NO-1NC	BTLF60C	3 oz.
	Time Delay Off	.1-30 sec	1NO-1NC	BTLF30D	3 oz.
		1-60 sec	1NO-1NC	BTLF60D	3 oz.

Timer, Front-Mounted



BTLF30C
BTLF60C

BTLF30D
BTLF60D

Pneumatic Timer Specifications

- Rated thermal current (Ith) temperature below 55°C10A
- Rated insulation voltage (Ui) in accordance with IEC 9471000V
- Making capacity (r.m.s.) in accordance with IEC 947
 - AC 15/AC 11, Ue ≤ 400V, 50/60 Hz90A
 - DC 13/DC 11, Ue ≤ 220V DC90A
- Breaking capacity (r.m.s.) in accordance with IEC 947
 - AC 15/AC 11, Ue ≤ 400V, 50/60 Hz60A

- DC 13/DC 11, Ue ≤ 220V DC0.95A
- Electrical (AC-3) endurance at rated current (millions of operations)1.0
- Short-circuit protection w/o welding10A
- Insulation resistance
 - Between contacts> 10 MΩ
 - Between contacts and earth> 10 MΩ
 - Between input and output> 10 MΩ
- Guaranteed no overlap between NO and NC contacts
 - Space1.3 mm
 - Time1.5 ms