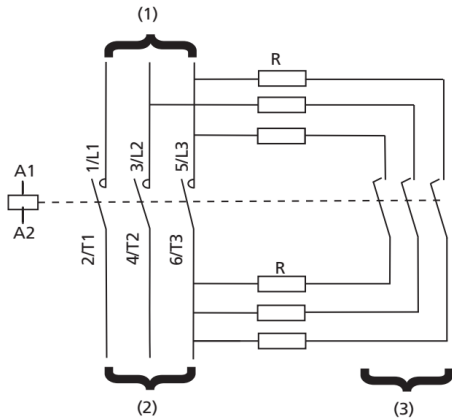
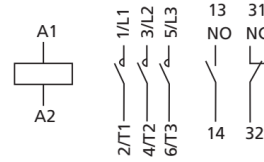


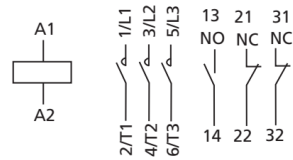
3. Wiring Diagram



**BCC05K11, 10K11, 12K11, 15K11,
20K11, 25K11**



**BCC30K12, 40K12, 50K12, 60K12,
75K12, 80K112, 100K12**



“R” resistor connections pre-wired from BTB

“1” Supply; “2” Load; “3” Don’t connect anything to these 3 Auxiliary Poles.

kVAr rating	Maximum No. of operations/hour.	Rated Conditional Short-Circuit Current Iq in (kA)	Degree of Protection
Up to 33kVAR	240	50	IP 20
40 to 100kVAR	100	50	IP 20

4. Wiring Instruction

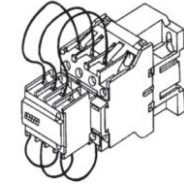
During capacitor switch-on, the Contactor is subjected to severe Electromagnetic Stresses. It is therefore essential to observe the following rules for cabling.

- Tightening torques conforming to that specified on the label on the front of the product.
- Use the cable ends
- Retightening of the connections 1 month after effective operation of the contactors, then once in a year
- Handle the resistor wires carefully to avoid creating the starting point of a fracture at the crimped tags

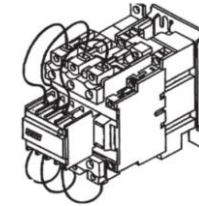
INSTRUCTIONS FOR USING Contactors for switching three-phase Capacitors



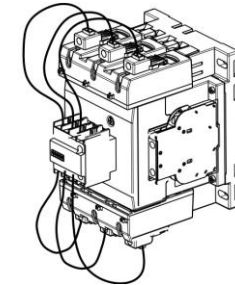
BCC05K11
BCC10K11
BCC12K11
BCC15K11
BCC20K11
BCC25K11



BCC30K12
BCC40K12
BCC50K12
BCC60K12
BCC75K12



BCC80K12
BCC100K12



Disconnect Power from source before installing, modifying or service
All strands of the cable shall go into the terminal of each phase.

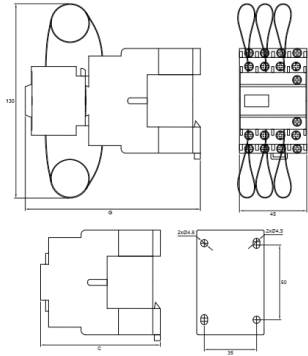
CAUTION

- Terminal screws must be properly tightened and checked frequently.
- For safety connection must be connected to the earthing terminal



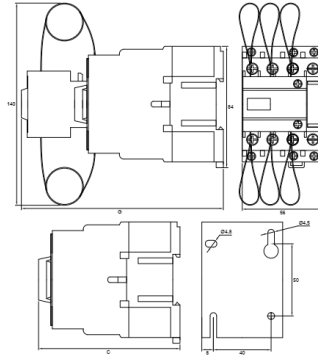
1. Dimension and structure

BCC-10K11, 15K11



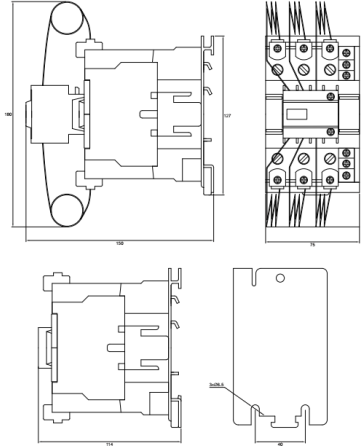
BCC	10K11	15K11
C	80	85
G	117	122

BCC-20K11, 25K11



BCC	20K11	25K11
C	93	98
G	130	135

BCC-30K12, 40K12, 50K12



BCC-60K12, 75K12

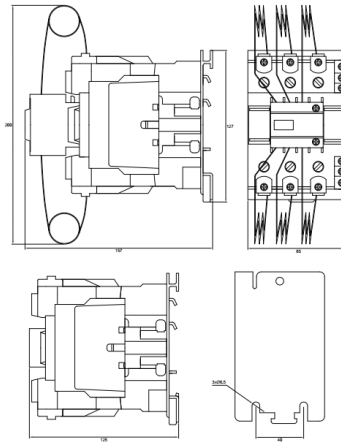
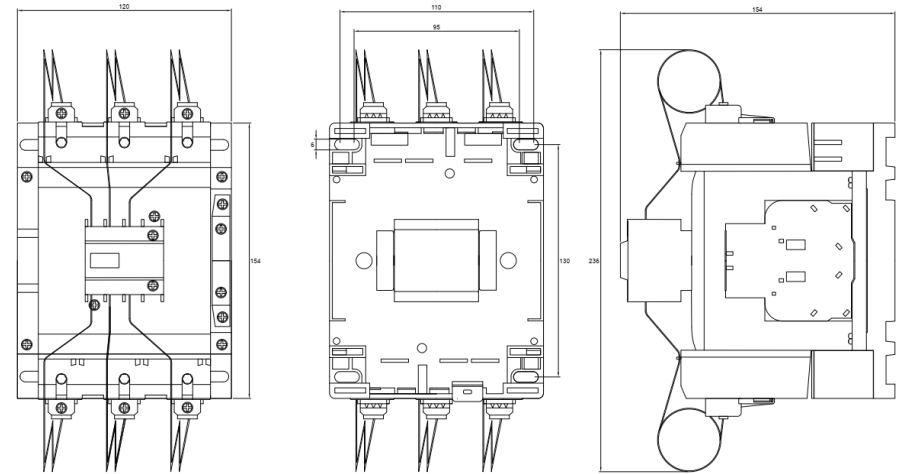









TABLE:1 (AC-15)

V	24	110/127	220/230	380/400	440	600
A	5	1.88	0.591	0.309	0.139	0.097

BCC-80K12, 100K12



2. Connection cable

	 mm ²	 mm ²	 mm ²	 mm ²	 mm ²	 Nm	 Nm
BCC10K	1 to 4	1 to 4	1 to 4	1 to 4			1.2
BCC15K	1.5 to 10	1.5 to 6	1 to 6	1 to 4 + 1 to 4			1.7
BCC20K	1.5 to 10	1.5 to 6	1.5 to 10	1.5 to 6 + 1.5 to 6			1.85
BCC25K	1.5 to 10	1.5 to 6	2.5 to 10	2.5 to 10 + 2.5 to 10			2.5
BCC30K	2.5 to 25	2.5 to 10	2.5 to 25	2.5 to 16 + 2.5 to 16		5	
BCC40K	2.5 to 35	2.5 to 25	2.5 to 35	2.5 to 16 + 2.5 to 16		5	
BCC50K	2.5 to 35	2.5 to 25	2.5 to 35	2.5 to 16 + 2.5 to 16		5	
BCC60K	4 to 50	4 to 50	4 to 50	4 to 25	10	9	
BCC75K	4 to 50	4 to 50	4 to 50	4 to 25	10	9	
BCC80K	4 to 95	4 to 50	4 to 95	4 to 50	10	9	
BCC100K	4 to 95	4 to 50	4 to 95	4 to 50	10	9	

	AWG 16 = 1.31mm ²	AWG 8 = 8.37mm ²	AWG 2 = 33.62mm ²
	AWG 14 = 2.08mm ²	AWG 5 = 13.3mm ²	AWG 1 = 42.41mm ²
	AWG 12 = 3.31mm ²	AWG 4 = 21.15mm ²	AWG 1/0 = 53.49mm ²
	AWG 10 = 5.26mm ²	AWG 3 = 26.67mm ²	