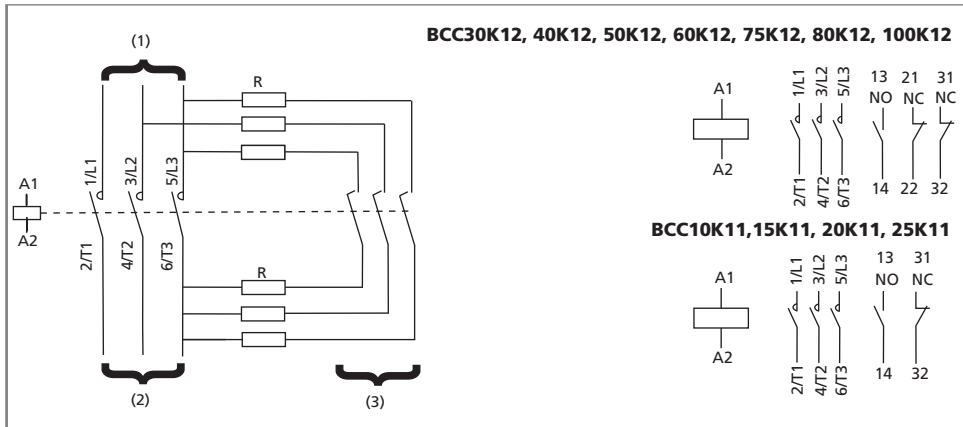


### Wiring Diagram:



R resistor connections pre-wired from TC.

- (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
upto 33kVAR	240	50	IP 20
40 to 100kVAR	100	50	IP 20

### 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.

# USER MANUAL

## Contactors for Switching Three-Phase Capacitors

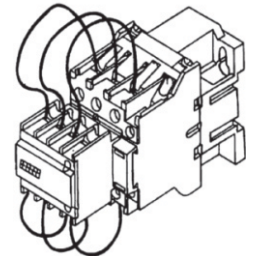


Disconnect Power from source before installing, modifying or service.  
All strands of the cable shall go into the terminal of each phase.

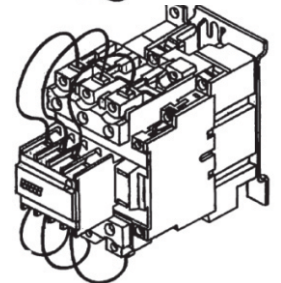
### CAUTION

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

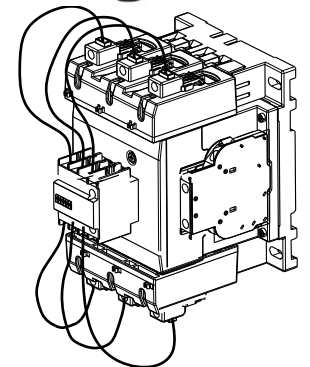
**BCC10K11**  
**BCC15K11**  
**BCC20K11**  
**BCC25K11**



**BCC30K12**  
**BCC40K12**  
**BCC50K12**  
**BCC60K12**  
**BCC75K12**

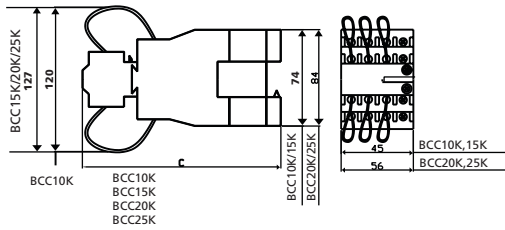


**BCC80K12**  
**BCC100K12**

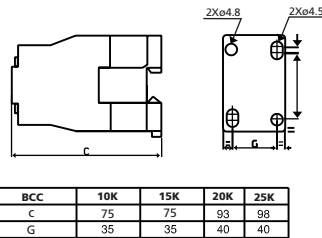


### Dimension Diagram:

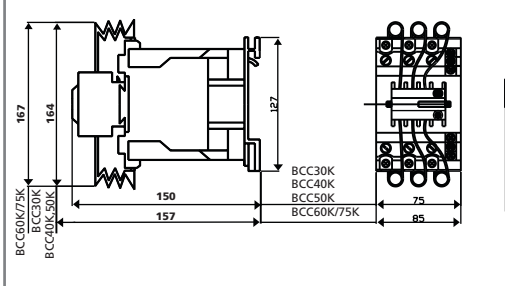
#### BCC10K, D15K, D20K, D25K



#### Mounting on panel



#### BCC30K, 40K, 50K, 60K, 75K



#### Mounting on panel

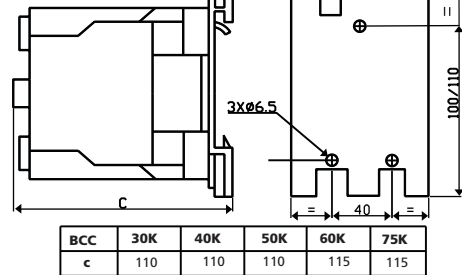


TABLE:1 (AC-15)

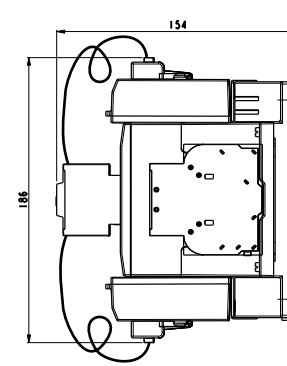
V	24	110/127	220/230	380/400	440	600
A	6.25	3.64	2.09	1.25	1.14	0.83

TABLE:2(DC 13)

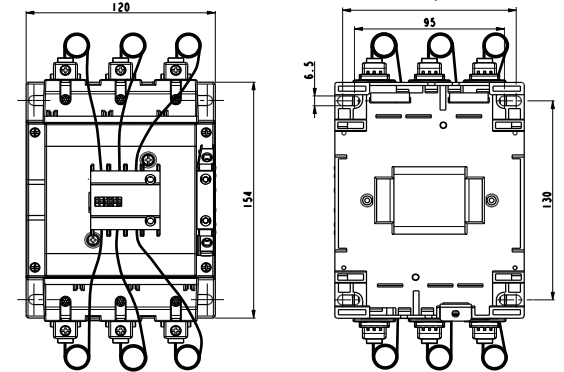
V	24	48	110/127	220	440	600
A	5	1.88	0.591	0.309	0.139	0.097

### Dimension Diagram:

#### BCC80K, 100K



#### Mounting on panel



Note: All dimensions are in mm

### Cabling:

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