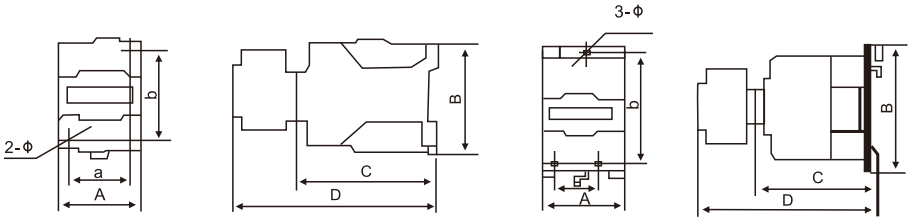
A150 AC Contactor

FDC1-D

Ref.	Model	Rated Current (A)	Thermal Current (A)	Control Capacity(KW)	Case Qty.(Pcs)
FDC1-D09-12	FDC1-D09	09	20	4	50
	FDC1-D12	12	20	5.5	50
FDC1-D18	FDC1-D18	18	32	7.5	50
	FDC1-D25	25	40	11	50
FDC1-D25	FDC1-D32	32	50	15	50
	FDC1-D40	40	60	18.5	20
FDC1-D32	FDC1-D50	50	80	22	20
	FDC1-D65	65	80	30	20
FDC1-D40-65	FDC1-D80	80	125	37	10
	FDC1-D95	95	125	45	10
FDC1-D80-95					

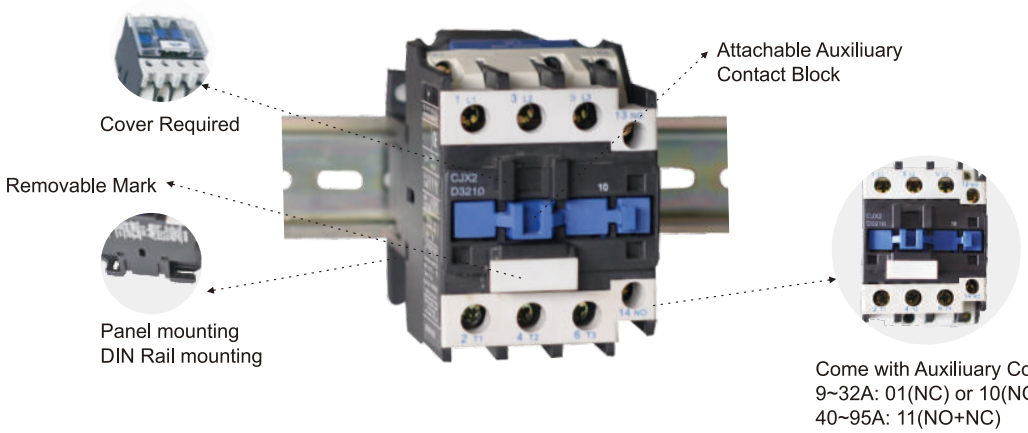
Note: Please mention the coil volatge when ordering. Our standard coil voltages are 24V, 36V, 110V, 220V, 380V, 415V, other else upon request.

DIMENSION



FDC1-D09-32 FDC1-D40-95

Model	Dimension(mm)						
	A	B	C	D	a	b	Φ
FDC1-D09/12	47	76	82	113	34/35	50/60	4.5
FDC1-D18	47	76	87	118	34/35	50/60	4.5
FDC1-D25	57	86	95	126	40	48	4.5
FDC1-D32	57	86	100	131	40	48	4.5
FDC1-D40/65	77	129	116	145	40	100/110	6.5
FDC1-D80/95	87	129	127	175	40	100/110	6.5



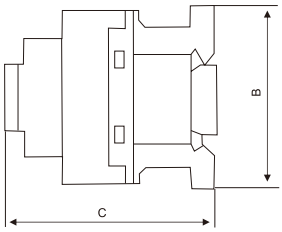
A150 AC Contactor

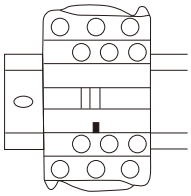
FDC1N-D

Ref.	Model	Rated Current (A)	Thermal Current (A)	Control Capacity (KW)	Case Qty.(Pcs)	Item Code
FDC1N-D09-18	FDC1N-D09	09	25	4	50	320090
	FDC1N-D12	12	25	5.5	50	320120
	FDC1N-D18	18	32	7.5	50	320180
FDC1N-D25-38	FDC1N-D25	25	40	11	50	320250
	FDC1N-D32	32	50	15	50	320320
	FDC1N-D38	38	50	18.5	50	320380
FDC1N-D40-65	FDC1N-D40	40	60	18.5	10	320400
	FDC1N-D50	50	80	22	10	320500
	FDC1N-D65	65	80	30	10	320650
FDC1N-D80-95	FDC1N-D80	80	125	37	10	320800
	FDC1N-D95	95	125	45	10	320950

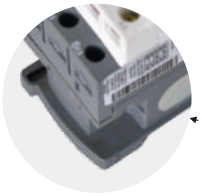
Note: Please mention the coil volatge when ordering. Our standard coil voltages are 24V, 36V, 110V, 220V, 380V, 415V, other else upon request.

DIMENSION





	Dimensions(mm)										
	FDC1N-D09	FDC1N-D12	FDC1N-D18	FDC1N-D25	FDC1N-D32	FDC1N-D38	FDC1N-D40	FDC1N-D50	FDC1N-D65	FDC1N-D80	FDC1N-D95
B	76.6	76.6	76.6	76.6	76.6	76.6	127	127	127	127	127
C	87	87	87	94	94	94	116	116	116	123.8	123.8



Panel mounting
DIN Rail mounting

Removable Mark

Dust-proof transparent cover(Removable Type)

Come with Auxiliary Contact
9A~95A: 11(NC+NO)

A150 AC Contactor

General

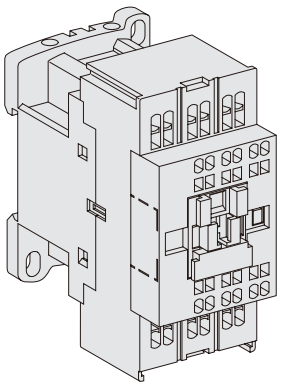
Contactors provide remote control of primarily electric motors and compe-nsation & heating systems by cable. They protect the instruments and equipments against overload currents by using thermal relays, for Capacitor switching contactor:While switching on a capacitive circuit, a high frequency (1...15Hz) and large transient current peaks are produced. Switching of capacitor for a single or one of the capacitor banks are different from each other. Step by step "switching on" operation is more difficult for contactor than capacitor bank. Because during this operation for capacitor bank,compensated current occurs. For this reas on selecting of suitable contactors the compensating current must be taken into consideration for 50kVAr and above, and for less than 50 kVAR can be omitted.

GENERAL CHARACTERISTICS

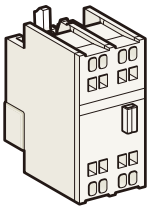
1-Contactor should have the high current value without being exposed to and damaged or boiling. This belongs to the quality of contactors. (Contact surface quality and weld technology) Especially at AC-3 and capacitor command, selectivity of contactor is very important.
2-Current which passes through the contacts causes warming when the contactor is closed. This warming is limited with the standards. For IEC 60947-4-1 when continual thermal current(Ith) is passed through the main contacts,maximum increasing temperature should not exceed 65K.
3-While the contactor is cutting the current, electrical arc occurs between the seperated contacts. Arc is the result of the thermal impression of electron and ion current which broke off the contact material. Temperature of the arc reaches to thousands of degrees and this temperature is too high for metals and insulators which are used at contact making and cutting cells. Therefore, arc should end as soon as possible. For this reason separators are used inside of contactors.

REFERENCE STANDARDS

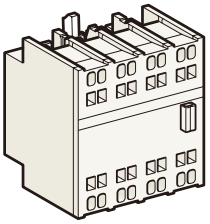
IEC60947-4-1, EN60947-4-1, UI508, GB14048.4



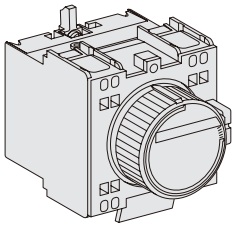
FDC1



LA1-D10
LA1-D01
LA1-D11
LA1-D20
LA1-D02



LA1-D40
LA1-D31
LA1-D22
LA1-D13
LA1-D04



LA2-DT0
LA2-DT2
LA2-DT4
LA2-DS2