

Contactors



Why special Capacitor Duty Contactor?

During the exact moment of switching, a capacitor effectively appears as short circuit. The magnitude of capacitor in-rush or charging current will depend upon value of AC voltage level at instant of switching, together with impedance of feeder cable and supply transformer.

In case of individual capacitor loads, charging current peaks of up to 30 times the rated capacitor current can occur. Whereas, for multi-stage capacitor, the in-rush current greater than 180 times the rated capacitor current can occur.

Such large-current can flow through contactor since initial in-rush current is taken from both mains-supplies and capacitors already connected. As in-rush current of such high magnitude is undesirable and likely to weld main contacts of standard duty contactors.

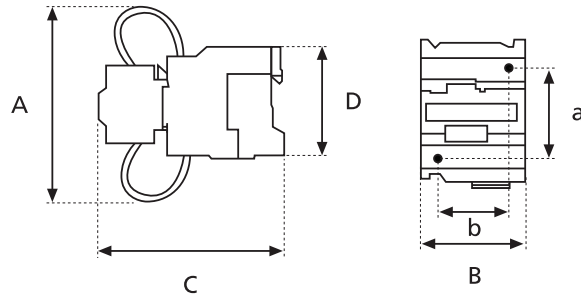
Its, there for, advisable to limit the current charge by inserting quick discharge series damping resistance, and therefore, to use our special capacitor duty contactors.

For other voltages and frequencies, please, consult AENER's Technical Department.

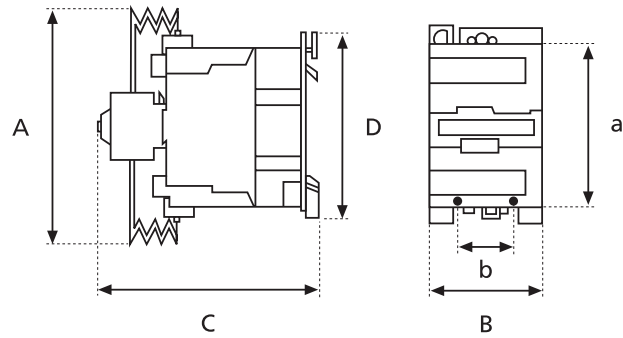
Technical specifications

	CJ19-25	CJ19-32	CJ19-43	CJ19-50	CJ19-63	CJ19-80	CJ19-120
Rated insulating voltage (V)	690V						
Maximum working voltage (V)	525V						
Rated insulating current (A)	18	24	29	36	48	58	72
Controllable capacity 220 - 240V	6,7	8,5	10	15	20	25	30
AC6b (Kvar) 400 – 440V	12,5	16,7	20	25	33,3	40	50
Surge current controlability	20In						
Coil control voltage specification	24V	48V	110V	220V	380V		
Voltage tolerance	-20% +10%						
Coil power (VA)	Pull-on / pull-up	70	110	200			
	Holding / maintaining	8	11	20			
Power consumption (W)	1,8-2,8		3-4	6-10			
Operation frequency	120						
Electrical life	> 200.000						
Mechanical life	1.000.000						
Connecting wire cross section (mm ²)	4	6	6	10	16	16	25
	Minimum -5°C						
Temperature Range	Maximum +45°C						
	Average 24 h +35°C						
International standard	IEC-60947.4						

CJ19-25 / CJ19-50



CJ19-63 / CJ19-120



Contactors

Type	Dimensions (mm)						Weight (gr)
	A	B	C	D	a	b	
CJ19-25	130	47	121	76	50/60	35	450
CJ19-32	130	58	130	86	50/60	40	600
CJ19-43	140	58	135	86	50/60	40	630
CJ19-50	140	79	150	128	100/110	40	630
CJ19-63	180	79	150	128	100/110	40	1300
CJ19-80	180	79	150	128	100/110	40	1300
CJ19-120	200	87	157	128	100/110	40	1650

► Other voltage ratings or frequencies available upon request.