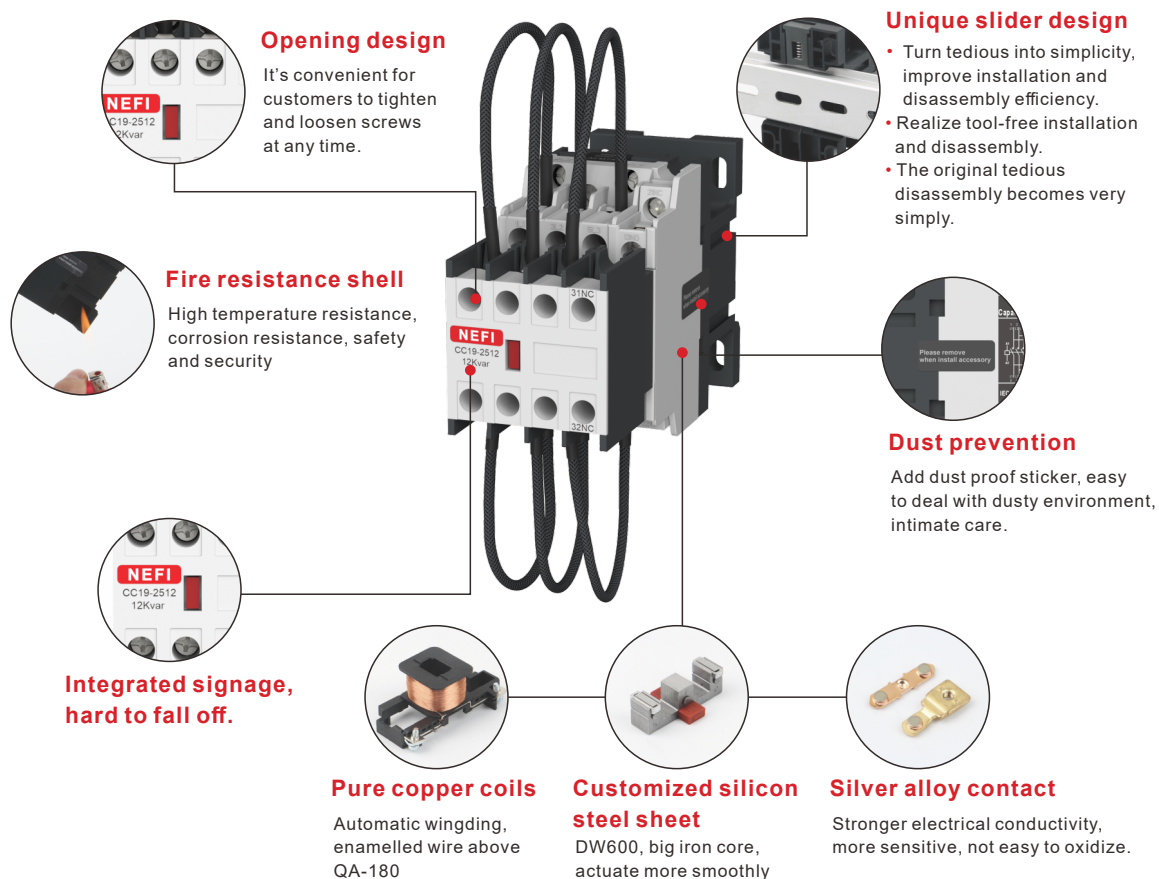


## CC19 Contactors for Capacitor Switching



### General

CC19 Capacitor contactor is designed for AC 50Hz/60Hz circuits with rated voltage up to 690V. It is mainly used for switching low-voltage parallel capacitors in reactive power compensation systems.

The contactor is equipped with an inrush current limiting device, which effectively reduces surge impact during capacitor switching and suppresses over-voltage during disconnection.

Standard: IEC/EN 60947-4-1

### Operation and Installation Conditions

Type	Operating and Installation Conditions
Ambient temperature	-5°C~+40°C, the average during 24 hours should not exceed +35°C
Altitude	≤2000m
Atmosphere conditions	At mounting site, relative humidity not exceed 50% at the max temperature of +40°C, higher relative humidity is allowable under lower temperature. For example, RH could be 90% at +20°C, special measures should be taken for occurrence of condensation;
Pollution degree	3
Installation category	III
Installation conditions	the inclination between installation plane and vertical plane is within ±5°
Impact and shake	he products should locate in the places where there are no obvious impact and shake.

### Selection

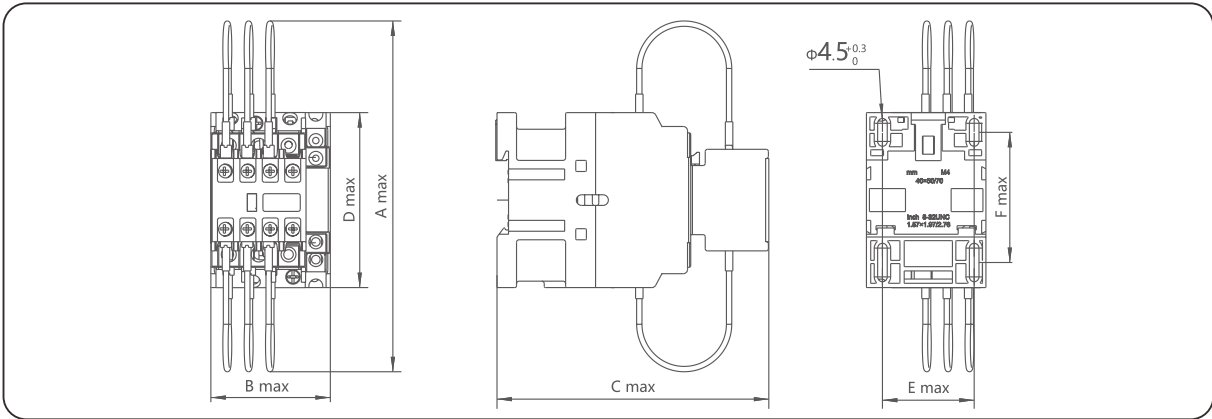
CC19	25	21	220V
Model	Conventional thermal current (Ith)	Auxiliary Contact	Controlled power voltage
Capacitor contactor	25: 25A 32: 32A 43: 43A 63: 63A 95: 95A 115: 115A	21: 2NO+1NC 12: 1NO+2NC	110V 220V 380V

Technical Parameters

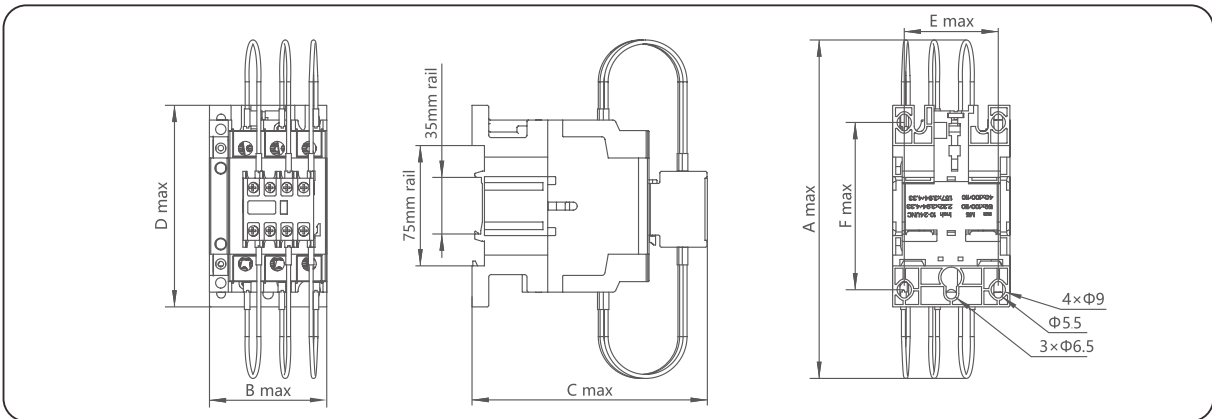
Model				CC19-25	CC19-32	CC19-43	CC19-63	CC19-95	CC19-115
Main circuit features									
Rated operating voltage (Ue)			V	380/400					
Rated isolation voltage (Ui)			V	690					
Rated current of controllable capacitor(In)		AC-6b 400V	A	17	29	36	43	72	87
Rated capacity of controllable capacitor (Qn)		AC-6b 230V	kVar	6	9	10	15	22.5	35
		AC-6b 400V	kVar	12	18	20	30	45	60
Rated conventional heating current (Ith)			A	7.5	32	43	63	95	115
Restrained surge capacity			A	≤35In			≤55In		
Mechanical durability			10 <sup>4</sup> times	100					
Electrical durability		AC-6b 400V	10 <sup>4</sup> times	15				12	
Operating frequency cycles/h		AC-6b 400V	times/h	300				120	
Coil features									
Controlled power voltage (Us)		AC 50Hz	V	110, 220, 380					
Operating voltage range		operation voltage	V	85%~110%Us when install inclination angle is+22.5°; 70%~120%Us when install inclination angle is±5°;					
		release voltage	V	20%~75%Us when install inclination angle is+22.5°; 20%~65%Us when install inclination angle is±5°;					
Auxiliary contact features									
Number of auxiliary contact				12, 21					
Rated conventional heating current (Ith)			A	10					
The minimum load can be connected to				6V×10mA					

Dimensions and Installation Sizes(mm)

CC19-25, 32, 43



CC19-63, 95, 115



Model	Overall dimensions				Mounting dimensions	
	Amax	Bmax	Cmax	Dmax	Emax	Fmax
CC19-25	176	45.5	122	74.5	35	50/60
CC19-32	180	56.5	132	83	40	50/60
CC19-43	180	56.5	132	83	40	50/60
CC19-63	190	74.5	154	127.5	59	100/110
CC19-95	190	85.5	160	127.5	67	100/110
CC19-115	190	85.5	160	127.5	67	100/110