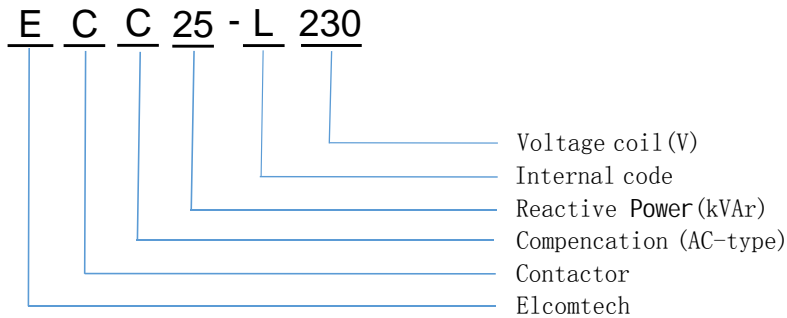


Scope of application

ECC Series switching capacitor contactors (hereinafter referred to as contactors), mainly used for AC 50Hz (or 60Hz). In power lines rated to 690V, it is used to put in low-voltage reactive power compensation equipment or remove low-voltage shunt capacitors. The contactor is equipped with an inrush suppression device, It can effectively reduce the impact of the closing inrush current on the capacitor and suppress the overvoltage during breaking.

Compliance with standards: IEC/EN 60947-4-1

Model and meaning



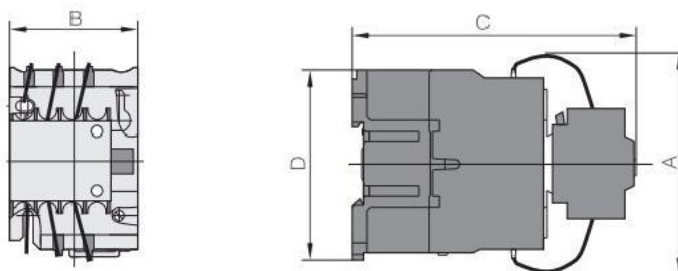
Normal operating conditions and installation conditions

- 1 The ambient air temperature is: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, its average value within 24 hours does not exceed $+35^{\circ}\text{C}$
- 2 Altitude: No more than 2000m
- 3 Atmospheric conditions: Maximum temperature $+40^{\circ}\text{C}$, The relative humidity of the air does not exceed 50%; Yes at lower temperatures High relative humidity is allowed.
- 4 Pollution level: 3
- 5 Installation category: III
- 6 Installation conditions: The inclination of the mounting surface and the vertical surface is not greater than $\pm 5^{\circ}$
- 7 Shock vibration: Products should be installed and used in places free of significant shaking, shock and vib performance

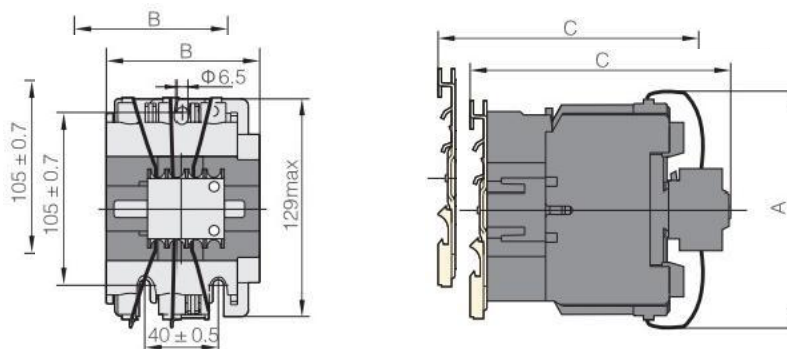
Main parameters and technical performance

Parameter name	ECC12.5-L230	ECC20-L230	ECC25-L230	ECC33.3-L230	ECC50-L230	ECC60-L230	ECC80-L230	ECC90-L230
Rated current I_e (AC-6b) (A)	25	36	43	56	95	102	136	148
Controllable Capacitor Capacity (kVAr)	220/230V	7	10	15	20	35	46	52
	380/400V	12.5	20	25	33.3	50	60	90
	660/690V	18	26	36	48	92	100	130
Rated insulation voltage (V)	690	690	690	690	690	690	690	690
Inrush inflow suppression	20I _e							
Action conditions	Snap-in: (85%~110%)U _s ; release: (20%~75%)U _s							
Coil power(VA) Start/hold	70/9.5	110/14	110/14	300/57	300/57	660/91.2	660/91.2	660/91.2
Auxiliary contacts control capacity	AC-15:e:0.95A 380V/400V DC-13I _e :0.15A 220V/250V I _{th} :10A							
Rated impulse withstand voltage (U _{imp})	6kV							

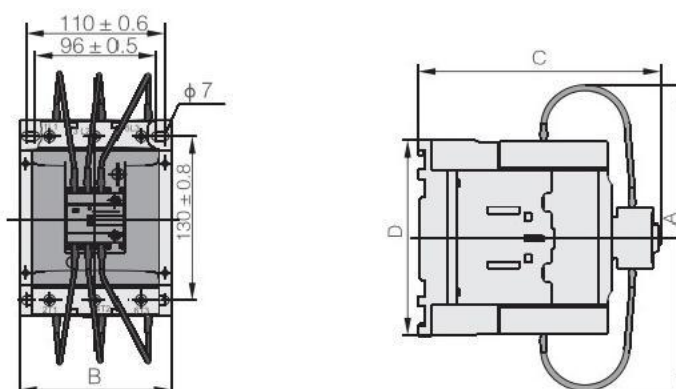
ECC12,5 ~ ECC25
Shape and installation size



ECC33,3 ~ ECC50
Shape and installation size



ECC60 ~ ECC90
Shape and installation size



Model	Amax	Bmax	Cmax	Dmax	E	F	remark
ECC12, 5	80	47	124	76	34/35	50/60	Screw mounted, also available with 35mm mounting rails
ECC20	90	58	132	86	40	48	
ECC25	90	58	136	86	40	48	
ECC33, 3	132	79	150				Screw mounted, also available with 35mm mounting rails
ECC50	135	87	158				
ECC60 ECC80 ECC90	200	120	192	155			Screw mounting, also available with 2 35mm mounting rails