Contactor for Capacitor

Switching of capacitors in systems for compensation of reactive energy
(classic automation devices).

Features

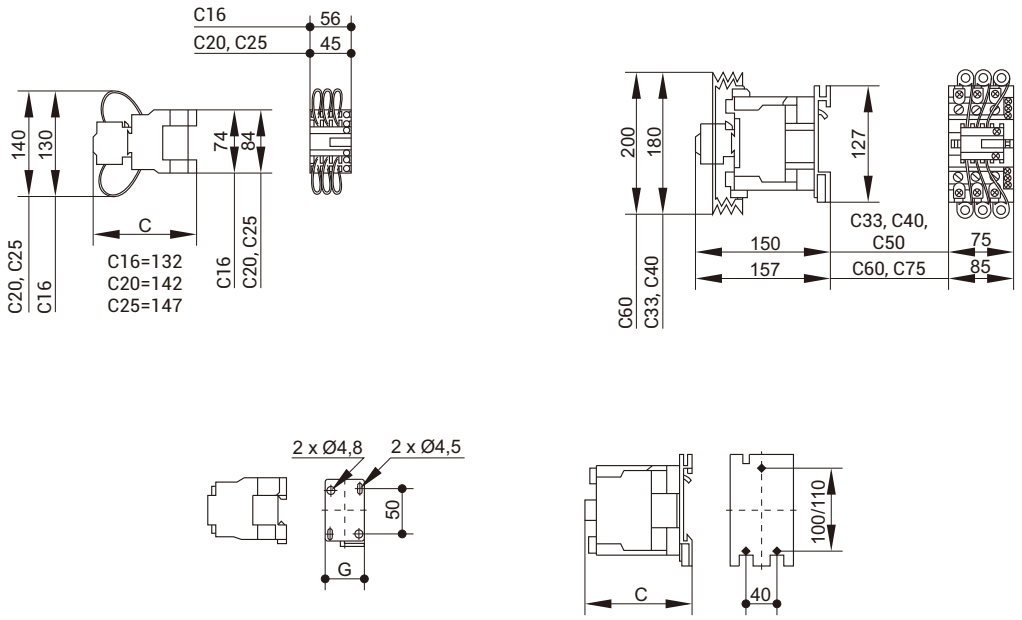
- Conforms to utilization category AC-6B
- Standard control voltages:
  24 V 50/60 Hz, 220 V 50/60 Hz, 230 V 50/60 Hz, 415 V 50/60 Hz
- Saves costs of expensive replacement
- Long electrical life
- Reduces watt losses during "ON" condition, saves energy
- High safety
- No risk of dangerous voltage
- Switching of capacitor bank in parallel without de-rating
- Less maintenance and downtime
- Approvals: UL, CSA

TECHNICAL DATA

Code no.	Rating at 50/60 Hz (kVar)	Current Carrying Capacity							Power Dissipation Per Pole	Mechanical Life		Electrical Life
		220 - 240 V		400 - 440 V		kVar/Current Rating as per ul (kVar/A)				50 Hz or 60 Hz	50/60 Hz	
	≤55°C *	kVar	Current at 230 V (A)	kVar	Current at 400 V (A)	240 V	480 V	600 V	W	Million		Operations
172415015	16.7	8.5	22.3	16.7	24.1	8/20	16.7/20	20/20	0.8	20	15	200.000
172415020	20	10	26.2	20	28.9	10/24	20/24	25/24	1.25	16	12	100.000
172415025	25	15	39.4	25	36.1	12.5/30	25/30	33.3/30	2	16	12	100.000
172415030	33.3	20	52.5	33.3	48.1	16.5/40	33.3/40	40/40	4.2	16	6	100.000
172415040	40	25	65.6	40	57.7	20/48	40/48	50/48	4.2	16	6	100.000
172415050	50	27	70.9	50	72.3	-	-	-	4.8	16	6	100.000
172415060	60	40	104.9	60	86.6	30/72	60/72	80/77	5.1	10	4	100.000
172415075	75	45	118	75	94	-	-	-	5.9	10	4	100.000

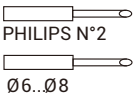
TECHNICAL DATA

Code no.	Rating at 50/60 Hz (kVar)	Upper Block		Wire details						Coil consumption		
	≤55°C	Time lag between make contact of aux. block and contactor	Holding time of main contact of aux. block	Cross sectional area	Lenght	Material	Lugs-at contactor end	Lugs-at aux. block end	tightening torque	50 Hz	60 Hz	50/60 Hz
		ms	ms	mm²	mm				Nmm²	VA	VA	VA
172415015	16.7	2-10	5-12	0.292	174	PTFC COATED RESISTANCE WIRE	RING TYPE LUG	PIN TYPE LUG	1.7	7	7.5	8
172415020	20	2-10	5-12	0.292	174				1.85	7.5	7.5	8.5
172415025	25	2-10	5-12	0.292	174				2.5	7.5	7.5	8.5
172415030	33.3	2-10	5-12	0.196	245				5	20	22	26
172415040	40	2-10	5-12	0.196	245				5	20	22	26
172415050	50	2-10	5-12	0.196	245				5	20	22	26
172415060	60	2-10	5-12	0.196	245				5	20	22	-
172415075	75	2-10	5-12	0.196	245				5	20	22	-



Dimensions

Code no.							
172415015	4	2,5	6	6			1,7
172415020	4	4	10	6			1,85
172415025	6	4	16	10			2,5
172415030	16	6	25	16		5	
172415040	16	6	25	16		5	
172415050	16	6	25	16		5	
172415060	50	25	50	35	10	9	
172415075	50	25	50	35	10	9	



AWG 16 = 1,31 mm²
AWG 14 = 2,08 mm²
AWG 12 = 3,31 mm²
AWG 10 = 5 5,26 mm²
AWG 8 = 8,37 mm²
AWG 5 = 13,3 mm²
AWG 4 = 21,15 mm²
AWG 3 = 26,31 mm²
AWG 2 = 33,62 mm²
AWG 1 = 42,41 mm²
AWG 1/0 = 53,49 mm²

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