

CAPACITOR DUTY CONTACTORS

KC12, KC16, KC20, KC25, KC33, KC40, KC50, KC60, KC75



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

TYPE	RATING AT 50/60 Hz (kVar)	CURRENT CARRYING CAPACITY							POWER DISSIPATION PER POLE W	MECHANICAL LIFE		ELECTRICAL LIFE OPERATIONS
		220 - 240 V		400 440 V		kVar / CURRENT RATING AS PER UL (kVar/A)				50 OR 60 Hz	50 / 60 Hz	
		kVar	CURRENT AT 230 V (A)	kVar	CURRENT AT 400 V (A)	240 V	480 V	600 V		MILLION		
KC12-11	12.5	6.7	17.6	12.5	18.1	6 / 15	12.5 / 15	15 / 15	0.36	17	15	200.000
KC16-11	16.7	8.5	22.3	16.7	24.1	8 / 20	16.7 / 20	20 / 20	0.8	20	15	200.000
KC20-11	20	10	26.2	20	28.9	10 / 24	20 / 24	25 / 24	1.25	16	12	100.000
KC25-11	25	15	39.4	25	36.1	12.5 / 30	25 / 30	33.3 / 30	2	16	12	100.000
KC33-12	33.3	20	52.5	33.3	48.1	16.5 / 40	33.3 / 40	40 / 40	4.2	16	6	100.000
KC40-12	40	25	65.6	40	57.7	20 / 48	40 / 48	50 / 48	4.2	16	6	100.000
KC50-12	50	27	70.9	50	72.3				4.8	16	6	100.000
KC60-12	60	40	104.9	60	86.6	30 / 72	60 / 72	80 / 77	5.1	10	4	100.000
KC75-12	75	45	118	75	94				5.9	10	4	100.000

NOTES:

KC12 TO KC25; CLIP- ON MOUNTING ON 35 mm WIDE RAIL
KC33 TO KC75; CLIP-ON MOUNTING ON 75 mmM WIDE RAIL

* AVERAGE AMBIENT TEMPERATURE SHOULD NOT EXCEED 45 °C WITHIN THE 24-HOUR PERIOD IN ACC. WITH IEC 60 070 AND IEC 60 831

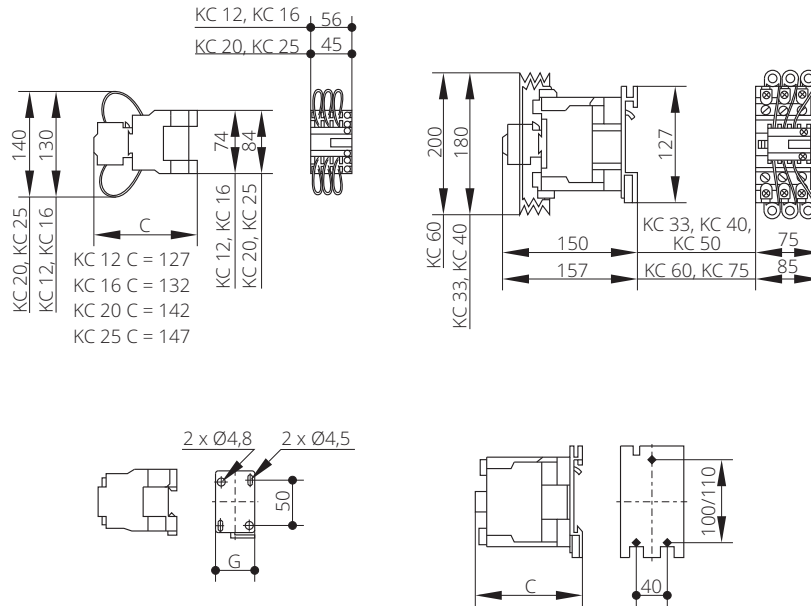
TECHNICAL DATA

TYPE	RATING AT 50/60 Hz (kvar)	UPPER BLOCK		Wire details						COIL CONSUMPTION		
		TIME LAG BETWEEN MAKE CONTACTS OF AUX. BLOCK AND CONTACTOR	HOLDING TIME OF MAIN CONTACTS 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	mm ²
KC12-11	12.5	2 - 10	5 - 12	0.292	174	PTFE COATED RESISTANCE WIRE	RING TYPE LUG	PIN TYPE LUG	1.2	7	7.5	8
KC16-11	16.7	2 - 10	5 - 12	0.292	174				1.7	7	7.5	8
KC20-11	20	2 - 10	5 - 12	0.292	174				1.85	7.5	7.5	8.5
KC25-11	25	2 - 10	5 - 12	0.292	174				2.5	7.5	7.5	8.5
KC33-12	33.3	2 - 10	5 - 12	0.196	245				5	20	22	26
KC40-12	40	2 - 10	5 - 12	0.196	245				5	20	22	26
KC50-12	50	2 - 10	5 - 12	0.196	245				5	20	22	26
KC60-12	60	2 - 10	5 - 12	0.196	245				5	20	22	
KC70-12	75	2 - 10	5 - 12	0.196	245				5	20	22	

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DIMENSIONS



KC 12	2,5	1,5	4	4			1,2
KC 16	4	2,5	6	6			1,7
KC 20	4	4	10	6			1,85
KC 25	6	4	16	10			2,5
KC 33	16	6	25	16		5	
KC 40	16	6	25	16		5	
KC 50	16	6	25	16		5	
KC 60	50	25	50	35	10	9	
KC 75	50	25	50	35	10	9	

PHILIPS N°2
Ø6..Ø8

AWG 16 = 1,31 mm²
 AWG 14 = 2,08 mm²
 AWG 12 = 3,31 mm²
 AWG 10 = 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

ORDERING DATA

THE TYPE DESIGNATION AND CONTROL VOLTAGE ARE STATED WHEN ORDERING THE CONTACTORS.

