

Capacitors for power factor correction



MA/C/CE y EA Series

Three phase capacitor with faston terminal 230/400/440/460/525 V, 50Hz

Characteristics and utility

- Three phase capacitor
- Delta connection
- Discharge resistors incorporated
- Reactive power factor correction
- Dry type
- Connector type terminal
- Indoor terminal

Safety

- Overpressure disconnection system
- Protection by internal fuses.

Construction and materials

- Low losses metallized self-healing polypropylene film, high density, high temperature and greater dielectric resistance Volt/ μ
- Polyurethane self-extinguishing resin V0 (Flame retardant), developed under standard UL94 by RTR Energia and with certification number 20141031-E470994
- Aluminium case with bottom fixing M12x16

Discharge time

- 50V/ 60s

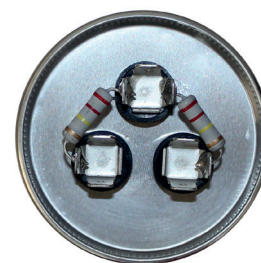
Standards

- IEC 60831-1/2:2014
- UNE-EN 30831-1/2:2014



Technical Characteristics

Capacitance tolerance	-5 % +10%
Frequency	50 Hz (60 Hz upon request)
Temperature range	-25°C +55 °C (Class D)
Dielectric losses	≤ 0.2 W/KVAr
Total losses	≤ 0.45 W/KVAr*
Over voltage	1.10 x Un (8 h/day) 1.15 x Un (30 min/day) 1.20 x Un (5 min/day) 1.30 x Un (1 min/day)
Over current	1.5 x In
Max. THD in voltage	2 %
Max. THD in current	25 %
Discharge resistance	Incorporated
Connection	Delta
Voltage test between terminals	2,15 x Un 10 sec.
Voltage test between terminals and case	3kV AC for 1min
Inrush current	Up to 200 x In
Protection	IP-20
Humidity	Max. 95%
Life Expectancy	130 000 h
Altitude	4000m.a.s.l.
Mounting position	Universal
Min. mounting distance between capacitors	10mm



* Without resistors

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
C23001050000000	1	230	50	3,77	3x20,06	60x200
C23001550000000	1,5	230	50	3,77	3x30,09	60x200
C23002550000000	2,5	230	50	6,28	3x50,14	60x200

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
C40001050000000	1	400	50	1,44	3x 6,63	60x200
C40001550000000	1,5	400	50	2,17	3x 9,95	60x200
C40002550000000	2,5	400	50	3,61	3x16,58	60x200
C40003050000000	3	400	50	4,33	3x19,89	60x200
C40004050000000	4	400	50	5,77	3x26,53	60x200
C40005050000000	5	400	50	7,22	3x33,16	60x200

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
C44001050000000	1	440	50	1,31	3x 5,48	60x200
C44001550000000	1,5	440	50	1,97	3x 8,22	60x200
C44002550000000	2,5	440	50	3,28	3x13,70	60x200
C44003050000000	3	440	50	3,94	3x16,44	60x200
C44004050000000	4	440	50	5,25	3x21,92	60x200
C44005050000000	5	440	50	6,56	3x27,40	60x200

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
C46001050000000	1	460	50	1,26	3x 5,01	60x200
C46001550000000	1,5	460	50	1,88	3x 7,52	60x200
C46002550000000	2,5	460	50	3,14	3x12,54	60x200
C46003050000000	3	460	50	3,77	3x15,04	60x200
C46004050000000	4	460	50	5,02	3x20,06	60x200
C46005050000000	5	460	50	6,28	3x25,07	60x200

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
C52501050000000	1	525	50	1,10	3x 3,85	60x200
C52501550000000	1,5	525	50	1,65	3x 5,77	60x200
C52502550000000	2,5	525	50	2,75	3x 9,62	60x200
C52503050000000	3	525	50	3,30	3x11,55	60x200
C52504050000000	4	525	50	4,40	3x15,40	60x200
C52505050000000	5	525	50	5,50	3x19,25	60x200

* Other powers, voltages and frequencies upon request.