

Three phase capacitors for harmonics filter application

230/400/440 V, 50Hz

Characteristics and utility

- Three phase capacitor DUAL WINDING internally delta connected
- Discharge resistors Incorporated
- Reactive power factor correction
- Special design to install with 210, 189 or 134 Hz three phase harmonic filters.
- Dry type
- Connector type terminal
- Indoor mounting

Triple safety

- Overpressure disconnection system
- Protection by internal fuses
- DWCAP system (patent) internal windings Displacement

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, developed under standard UL 94 by RTR Energía with certification number 20141031-E470994
- Aluminium case with bottom fixing M12x16

Discharge Time

- 50V/60s (3x 120kohm/3W)

Lighting impuls withstand

- 8kV a wave of 1.2/50 μ s to 5/50 μ s

Standards

- IEC 60831-1/2
- EN 60831-1/2

Certifications



Technical Characteristics	
Capacitance tolerance	-5% +5%
Frequency	50 Hz (60 Hz upon request)
Temperature range	-25°C +55°C / Type D
Dielectric losses	≤ 0.2 W/KVAr
Total losses	≤ 0.45 W/KVAr
Over voltage	1.15 x Un
Over current	1.80 x In
Discharge resistance	Incorporated
Connection	Delta
Voltage test between terminals	2,15 x Un 2 sec.
Voltage test between terminals and case	5kV
Inrush current	upto 250 x In
Protection	IP-20
Humidity	Max. 95%
Life Expectancy	140 000 h
Altitude	4000 a.s.l.
Mounting position	Universal



Code	Power KVA _r	Detuning Factor	Voltage V	Frequency Hz	Current A	Capacitance μF	Dimensions mm
D2300255TER7RCT	2,5	7%	230	50	6,28	3x46,63	70 x 230
D2300505TER7RCT	5	7%	230	50	12,55	3x93,27	85 x 230
D2300755TER7RCT	7,5	7%	230	50	18,83	3x139,90	100 x 230
D2301005TER7RCT	10	7%	230	50	25,10	3x186,53	120 x 230
D2301255TER7RCT	12,5	7%	230	50	31,38	3x233,17	136 X 230
D2301505TER7RCT	15	7%	230	50	37,65	3x279,80	136 X 230

Code	Power KVA _r	Detuning Factor	Voltage V	Frequency Hz	Current A	Capacitance μF	Dimensions mm
D2300255TER1RCT	2,5	14%	230	50	6,28	3x43,12	70 x 230
D2300505TER1RCT	5	14%	230	50	12,55	3x86,25	85 x 230
D2300755TER1RCT	7,5	14%	230	50	18,83	3x129,37	100 x 230
D2301005TER1RCT	10	14%	230	50	25,10	3x172,49	120 x 230
D2301255TER1RCT	12,5	14%	230	50	31,38	3x215,62	120 x 230
D2301505TER1RCT	15	14%	230	50	37,65	3x258,74	136 X 230

Code	Power KVA _r	Detuning Factor	Voltage V	Frequency Hz	Current A	Capacitance μF	Dimensions mm
D4001005TER7RCT	10	7%	400	50	14,43	3x61,67	85 x 230
D4001255TER7RCT	12,5	7%	400	50	18,04	3x77,09	100 x 230
D4001505TER7RCT	15	7%	400	50	21,65	3x92,51	100 x 230
D4002005TER7RCT	20	7%	400	50	28,87	3x123,35	120 x 230
D4002505TER7RCT	25	7%	400	50	36,08	3x154,18	136 X 230
D4003005TER7RCT	30	7%	400	50	43,30	3x185,02	136 x 230

Code	Power KVA _r	Detuning Factor	Voltage V	Frequency Hz	Current A	Capacitance μF	Dimensions mm
D4001005TER1RCT	10	14%	400	50	14,43	3x57,03	100 x 230
D4001255TER1RCT	12,5	14%	400	50	18,04	3x71,29	100 x 230
D4001505TER1RCT	15	14%	400	50	21,65	3x85,55	120 x 230
D4002005TER1RCT	20	14%	400	50	28,87	3x114,06	136 X 230
D4002505TER1RCT	25	14%	400	50	36,08	3x142,58	136 x 230

Code	Power KVA _r	Detuning Factor	Voltage V	Frequency Hz	Current A	Capacitance μF	Dimensions mm
D4401005TER5RCT	10	5.67%	440	50	13,12	3x51,70	85 x 230
D4401255TER5RCT	12,5	5.67%	440	50	16,40	3x64,62	100 x 230
D4401505TER5RCT	15	5.67%	440	50	19,68	3x77,55	120 x 230
D4402005TER5RCT	20	5.67%	440	50	26,24	3x103,40	120 x 230
D4402505TER5RCT	25	5.67%	440	50	32,80	3x129,24	136 X 230

Code	Power KVA _r	Detuning Factor	Voltage V	Frequency Hz	Current A	Capacitance μF	Dimensions mm
D4401005TER7RCT	10	7%	440	50	13,12	3x50,97	85 x 230
D4401255TER7RCT	12,5	7%	440	50	16,40	3x63,71	100 x 230
D4401505TER7RCT	15	7%	440	50	19,68	3x76,45	120 x 230
D4402005TER7RCT	20	7%	440	50	26,24	3x101,94	120 x 230
D4402505TER7RCT	25	7%	440	50	32,80	3x127,42	136 X 230
D4403005TER7RCT	30	7%	440	50	39,36	3x152,91	136 x 230

Code	Power KVA _r	Detuning Factor	Voltage V	Frequency Hz	Current A	Capacitance μF	Dimensions mm
D4401005TER1RCT	10	14%	440	50	13,12	3x47,13	100 x 230
D4401255TER1RCT	12,5	14%	440	50	16,40	3x58,92	100 x 230
D4401505TER1RCT	15	14%	440	50	19,68	3x70,70	120 x 230
D4402005TER1RCT	20	14%	440	50	26,24	3x94,27	136 X 230
D4402505TER1RCT	25	14%	440	50	32,80	3x117,83	136 x 230

Other power and voltage upon request