

DWCAP RTF SERIES

Reinforced three phase capacitors

230/400/415/440/480 V, 50 Hz

Characteristics and utility

- Three phase capacitor DUAL WINDING internally delta connected
- Discharge resistors Incorporated
- Reactive power factor correction
- Reinforced design to support over voltage
- Dry type
- Connector type terminal
- Indoor mounting

Triple safety

- Overpressure disconnection system.
- Protection by internal fuses
- DWCAP system (patented) 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 (Flame retardant), developed under standard UL94 by RTR Energia with certification number 20141031-E470994
- Aluminium case with bottom fixing M12x16

Discharge time

- 50V/ 60s

Standards

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

Certifications



*Certified product up to 525V and 35kVAr

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	≤ 0.40 W/KVAr*
Over voltage	1.15 x Un
Over current	1.8xIn
Max. THD in voltage	3 %
Max. THD in current	30 %
Discharge resistance	Incorporated
Connection	Delta
Voltage test between terminals	2.15xUn 10s
Voltage test between terminals and case	5kV AC for 1min
Inrush current	Upto 350 x In
Protection	IP-20
Humidity	Max. 95%
Life Expectancy	150.000h
Altitude	Max. 4000m.a.s.l.
Mounting position	Universal
Min. mounting distance between capacitors	10mm

* Without resistors



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Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
D2300255TER0RTF	2,5	230	50	6,28	3x 50,14	70x260
D2300505TER0RTF	5	230	50	12,55	3x100,29	85x260
D2300755TER0RTF	7,5	230	50	18,83	3x150,43	100x260
D2301005TER0RTF	10	230	50	25,10	3x200,57	120x265
D2301255TER0RTF	12,5	230	50	31,38	3x250,72	136x265
D2301505TER0RTF	15	230	50	37,65	3x300,86	136x265

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
D4000755TER0RTF	7	400	50	10,83	3X 49,74	70X260
D4001005TER0RTF	10	400	50	14,45	3x 66,30	85x260
D4001255TER0RTF	12,5	400	50	18,06	3x 82,90	100x260
D4001505TER0RTF	15	400	50	21,68	3x 99,50	100x260
D4002005TER0RTF	20	400	50	28,90	3x132,60	120x265
D4002505TER0RTF	25	400	50	36,13	3x165,80	120x265
D4003005TER0RTF	30	400	50	43,35	3x198,90	136x265

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
D4150755TER0RTF	7,5	415	50	10,43	3x 46,21	70x260
D4151005TER0RTF	10	415	50	13,93	3x 61,60	85x260
D4151255TER0RTF	12,5	415	50	17,41	3x 77,00	100x260
D4151505TER0RTF	15	415	50	20,89	3x 92,40	100x260
D4152005TER0RTF	20	415	50	27,86	3x123,20	120x265
D4152505TER0RTF	25	415	50	34,82	3x154,00	120x265
D4153005TER0RTF	30	415	50	41,79	3x184,80	136x265
D4153505TER0000	35	415	50	48,69	3x215,63	136x265

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
D4400755TER0RTF	7,5	440	50	9,84	3x 41,10	70x260
D4401005TER0RTF	10	440	50	13,12	3x 54,81	85x260
D4401255TER0RTF	12,5	440	50	16,40	3x 68,51	85x260
D4401505TER0RTF	15	440	50	19,68	3x 82,21	100x260
D4402005TER0RTF	20	440	50	26,24	3x109,61	100x260
D4402505TER0RTF	25	440	50	32,80	3x137,01	120x265
D4403005TER0RTF	3	440	50	39,36	3x164,42	120x265
D4403505TER0RTF	35	440	50	45,93	3x191,82	136x265
D4404005TER0RTF	40	440	50	52,49	3x219,22	136x265

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
D4800755TER0RTF	7,5	480	50	9,02	3x 34,54	70x260
D4801005TER0RTF	10	480	50	12,03	3x 46,05	85x260
D4801255TER0RTF	12,5	480	50	15,04	3x 57,56	100x260
D4801505TER0RTF	15	480	50	18,04	3x 69,08	100x260
D4802005TER0RTF	20	480	50	24,06	3x 92,10	120x265
D4802505TER0RTF	25	480	50	30,07	3x115,13	120x265
D4803005TER0RTF	30	480	50	36,08	3x138,16	136x265
D4803505TER0RTF	35	480	50	42,10	3x161,18	136x265

* Other powers, voltages and frequencies upon request.