

MA/C/CE TER RTF SERIES

Reinforced three phase capacitor with connector

230/400/440 V, 50Hz

Characteristics and utility

- Three phase capacitor
- Delta connection
- Discharge resistors incorporated
- Reactive power factor correction
- Reinforced design to support over voltage
- 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, developed under standard UL94 by RTR Energia and with certification number 20141031-E470994
- Aluminium case with bottom fixing M12x16

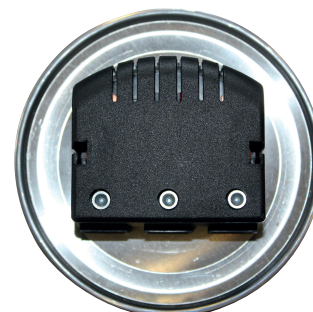
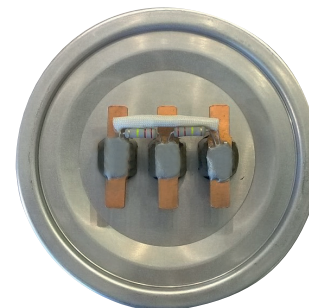
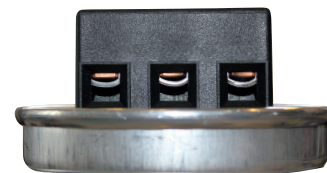
Standard

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



Technical Characteristics

Capacitance tolerance	-5 % +10%
Frequency	50 Hz (60 Hz upon request)
Temperature range	-25°C +55 °C
Dielectric losses	≤ 0.2 W/KVAr
Total losses	≤ 0.45 W/KVAr
Over voltage	1.15 x Un
Over current	1.5 x In
Max. THD in voltage	3 %
Max. THD in current	30 %
Discharge resistance	Incorporated
Connection	Delta
Voltage test between terminals	2,15 x Un 2 sec.
Voltage test between terminals and case	3kV for 10 sec. AC
Inrush current	Up to 200 x In
Protection	IP-20
Humidity	Max. 95%
Life Expectancy	120 000 h /Temp. type D) 130 000 h (Temp. type C)
Altitude	2000 a.s.l.
Mounting position	Universal



* Without resistors

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Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
C2300255TER0RTF	2,5	230	50	12,55	3x 50,14	70x260
C2300505TER0RTF	5	230	50	12,55	3x100,29	85x260
C2300755TER0RTF	7,5	230	50	18,83	3x150,43	100x260
C2301005TER0RTF	10	230	50	25,10	3x200,57	100x345
C2301255TER0RTF	12,5	230	50	31,38	3x250,72	120x345
C2301505TER0RTF	15	230	50	37,65	3x300,86	120x345
C2302005TER0RTF	20	230	50	50,20	3x401,15	136x345

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
C4000255TER0RTF	2,5	400	50	3,61	3x 16,58	70x260
C4000505TER0RTF	5	400	50	7,22	3x 33,16	70x260
C4000755TER0RTF	7,5	400	50	10,83	3x 49,74	85x260
C4001005TER0RTF	10	400	50	14,43	3x 66,31	85x260
C4001255TER0RTF	12,5	400	50	18,04	3x 82,89	100x260
C4001505TER0RTF	15	400	50	21,65	3x 99,47	100x260
C4002005TER0RTF	20	400	50	28,87	3x132,63	100x345
C4002505TER0RTF	25	400	50	36,08	3x165,79	120x345
C4003005TER0RTF	30	400	50	43,30	3x198,94	120x345
C4003505TER0RTF	35	400	50	50,52	3x232,10	120x345
C4004005TER0RTF	40	400	50	57,74	3x265,26	136x345
C4005005TER0RTF	50	400	50	72,17	3x331,57	136x345

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	μF	mm
C4400255TER0RTF	2,5	440	50	3,28	3x 13,70	70x260
C4400505TER0RTF	5	440	50	6,56	3x 27,40	70x260
C4400755TER0RTF	7,5	440	50	9,84	3x 41,10	70x260
C4401005TER0RTF	10	440	50	13,12	3x 54,81	85x260
C4401255TER0RTF	12,5	440	50	16,40	3x 68,51	85x260
C4401505TER0RTF	15	440	50	19,68	3x 82,21	100x260
C4402005TER0RTF	20	440	50	26,24	3x109,61	100x345
C4402505TER0RTF	25	440	50	32,80	3x137,01	100x345
C4403005TER0RTF	30	440	50	39,36	3x164,42	120x345
C4403505TER0RTF	35	440	50	45,93	3x191,82	120x345
C4404005TER0RTF	40	440	50	52,49	3x219,22	136x345
C4405005TER0RTF	50	440	50	65,61	3x274,03	136x345

* Other voltages and frequencies upon request