

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 (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

Standard

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



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 | ≤0.40 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 | Up to 350xIn |
| 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 |
| 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 powers, voltages and frequencies upon request.