

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)

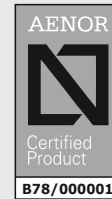
Lighting impuls withstand

- 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 KVAr | 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 KVAr | 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 KVAr | 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 KVAr | 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 KVAr | 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 KVAr | 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 KVAr | 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