BO/R TER RCT SERIES

Three phase capacitor for harmonic filter application

230/440 V, 50Hz

Characteristics and utility

- Three phase capacitor
- DWCAP mounting in metal container
- Delta connection
- Discharge resistors incorporated
- Reactive power factor correction
- Special design to install with 210,189 and 134 Hz three phase harmonic filters.
- Dry type
- Connector type terminal
- Indoor installation

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
- Metal container with terminal covers and fixing brackets
- RAL 6034

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	≤0.45 W/KVAr*
Over voltage	1.15xUn (30min/day)
Over current	1.8xIn
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 350 x In
Protection	IP-20
Humidity	Max. 95%
Altitude	Max. 4000m.a.s.l.
Mounting position	Universal

* Without resistors

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	µF	mm
R023000255TERCT	2,5	230	50	6,28	3x 46,63	400x110x100
R023000505TERCT	5	230	50	12,55	3x 93,27	400x110x100
R023000755TERCT	7,5	230	50	18,83	3x139,90	400x110x100
R023001005TERCT	10	230	50	25,10	3x186,53	460x170x150
R023001255TERCT	12,5	230	50	31,38	3x233,17	460x170x150
R023001505TERCT	15	230	50	37,65	3x279,80	460x170x150
R023002005TERCT	20	230	50	50,20	3x373,07	460x320x150
R023002505TERCT	25	230	50	62,76	3x466,33	460x320x150
R023003005TERCT	30	230	50	75,31	3x559,60	460x320x150
R023003505TERCT	35	230	50	87,86	3x652,87	600x320x150
R023004005TERCT	40	230	50	100,41	3x746,13	600x320x150

Code	Power	Voltage	Frequency	Current	Capacitance	Dimensions
	KVAr	V	Hz	A	µF	mm
R044000505TERCT	5	440	50	6,56	3x 25,48	400x110x100
R044007505TERCT	7,5	440	50	9,84	3x 38,23	400x110x100
R044010005TERCT	10	440	50	13,12	3x 50,97	400x110x100
R044012505TERCT	12,5	440	50	16,40	3x 63,71	400x110x100
R044015005TERCT	15	440	50	19,68	3x 76,45	460x170x150
R044020005TERCT	20	440	50	26,24	3x101,94	460x170x150
R044025005TERCT	25	440	50	32,80	3x127,42	460x170x150
R044030005TERCT	30	440	50	39,36	3x152,91	460x170x150
R044035005TERCT	35	440	50	45,93	3x178,39	460x320x150
R044040005TERCT	40	440	50	52,49	3x203,88	460x320x150
R044045005TERCT	45	440	50	59,05	3x229,36	460x320x150
R044050005TERCT	50	440	50	65,61	3x254,85	460x320x150
R044060005TERCT	60	440	50	78,73	3x305,81	460x320x150
R044070005TERCT	70	440	50	91,85	3x356,78	600x320X150
R044080005TERCT	80	440	50	104,97	3x407,75	600x320x150

* Other powers, voltages and frequencies upon request.

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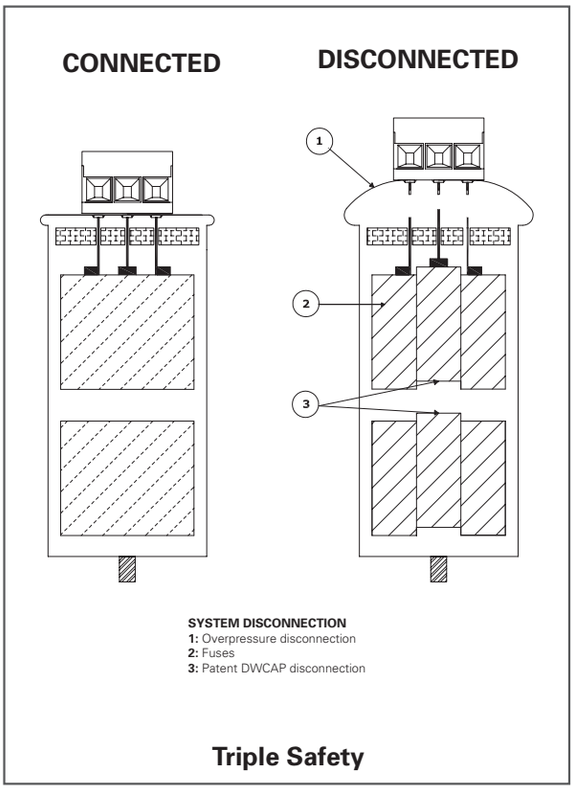

Temperature (IEC 60831-1/2)

Symbol	Ambient temperature ˚C		
	Maximun	Highest mean over any period of	
		24h	1 year
A	40	30	20
B	45	35	25
C	50	40	30
D	55	45	35

Dimensions	Brackets
HxAxP mm	
400x110x110	2
460x170x150	2
460x320x150	2
600x320x150	2

Dimensions