



CRT-E 450V - 50Hz



TECHNICAL CHARACTERISTICS

Dielectric	polypropylene metallized film
Winding connection	delta
Safety device	Internal overpressure disconnecter
Capacitance tolerance	-5%, +10%
Rated Voltage	450V
Rated Frequency	50 Hz
Over voltages	According to IEC Un + 10% (up to 8 hours daily) Un + 15% (up to 30 minutes daily) Un + 20% (up to 5 minutes daily) Un + 30% (up to 1 minute daily)
Over current (not continuative)	2 In (including harmonics)
Maximum inrush current	200 In
Insulation level	3 / 12 kV
Voltage test between terminals	2,15 Un, 50Hz, 10 seconds (routine test)
Voltage test between terminals	3,00 Un, 50Hz, 60 seconds (type test)
Voltage test terminals/case	3000V, 50Hz, 10 seconds
Dielectric losses	< 0.2 W/kvar
Temperature class	-25/D
Cooling	Natural air or forced ventilation
Permissible humidity	95%
Service life	130.000 operating hours (hot spot 50°C)
Service life	100.000 operating hours (hot spot 55°C)
Altitude above sea level	2000 m
Impregnation	resin filled, PCB free
Terminals	Terminal board / screws (D ≤ 65mm)
Fixing and Ground	Threaded M12 stud on case bottom
Mounting position	vertical preferable for better cooling
Protection degree	IP20 (only D ≥ 85mm)
Installation	Indoor
Discharge resistors	Included
Discharge time	< 3 minutes to 75V or less
Applicable standards	IEC 60831-1/2

Vn = 450V - 50Hz **EPC**

PART NUMBER	MODEL	Q POWER (KVar)	C Capacity (μF)	In Current (A)	D Diameter (mm)	H Heigh (mm)	Weight (Kg)	Pcs/box	Box dimensions	Discharge resistor
CRT453100156V00	CRT-56V-1-450 **	1	3 x 5,2	3 x 1,3	55	165	0,5	30	370x370x245	Internal
CRT453150156V00	CRT-56V-1,5-450 **	1,5	3 x 7,9	3 x 1,9	55	165	0,5	30	370x370x245	Internal
CRT453200156V00	CRT-56V-2-450 **	2	3 x 10,5	3 x 2,6	55	165	0,5	30	370x370x245	Internal
CRT453250156V00	CRT-56V-2,5-450 **	2,5	3 x 13,1	3 x 3,2	55	165	0,5	30	370x370x245	Internal
CRT453300166V00	CRT-66V-3-450 **	3	3 x 15,7	3 x 3,8	65	205	0,7	6	370x370x106	Internal
CRT453400166V00	CRT-66V-4-450 **	4	3 x 21	3 x 5,1	65	205	0,7	6	370x370x106	Internal
CRT453500166V00	CRT-66V-5-450 **	5	3 x 26,2	3 x 6,4	65	205	0,7	6	370x370x106	Internal
CRE501453M50015	CRTE07520805045	5	3 x 26,2	3 x 6,4	75	208	1,2	5	370x370x106	External
CRE751453M50034	CRTE07520807545	7,5	3 x 39,3	3 x 9,6	75	208	1,2	5	370x370x106	External
CRE102453M50055	CRTE08520810045	10	3 x 52,4	3 x 12,8	85	208	1,6	4	370x370x106	External
CRE1D2453M50037	CRTE08520812545	12,5	3 x 65,5	3 x 16	85	208	1,6	4	370x370x106	External
CRE152453M50056	CRTE10020815045	15	3 x 78,6	3 x 19,2	100	208	2	3	370x370x106	External
CRE202453M50010	CRTE10020820045	20	3 x 104,8	3 x 25,7	100	208	2	3	370x370x106	External
CRE252453M50004	CRTE11620825045	25	3 x 131	3 x 32,1	116	208	2,6	3	370x370x125	External
CRE302453M50009	CRTE11620830045	30	3 x 157,2	3 x 38,5	116	208	2,6	3	370x370x125	External
CRE402453M50162	CRTE13628340045 **	40	3 x 209,7	3 x 51,3	136	283	3,8	2	370x370x161	External

* File number E99479

** Not UL approved