

VarPlus Can

3 Phase Capacitors

VarPlus Can02 copy eps



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Technical specifications

General characteristics

Standards	IEC 60831-1/2
Voltage range	230 to 830 V
Frequency	50 / 60 Hz
Power range	1 to 57.1 kvar
Losses (dielectric)	< 0.2 W/kvar
Losses (total)	< 0.5 W/kvar
Capacitance tolerance	-5%, +10%
Voltage test	Between terminals 2.15 x U _N (AC), 10 s
	Between terminal & container ≤ 525 V: 3 kV (AC), 10 s or 3.66 kV (AC), 2 s
	> 525 V: 3.66 kV (AC), 10 s or 4.4 kV (AC), 2 s
	Impulse voltage ≤ 690 V: 8 kV
	> 690 V: 12 kV
Discharge resistor	Fitted, standard discharge time 60 s

Working conditions

Ambient temperature	-25 / 55 °C (Class D)
Humidity	95 %
Altitude	2,000 m above sea level
Overvoltage	1.1 x U _N 8 h in every 24 h
Overcurrent	Up to 1.8 x I _N
Peak inrush current	250 x I _N
Switching operations (max.)	Up to 7,000 switching operations per year
Mean Life expectancy	Up to 130,000 hrs
Harmonic content withstand	N _{LL} ≤ 20 %

Installation characteristics

Mounting position	Indoor, upright & horizontal
Fastening	Threaded M12 stud at the bottom
Earthing	
Terminals	CLAMPTITE - three-way terminal with electric shock protection (finger-proof) and, double in lower kvar and stud type for higher power ratings

Safety features

Safety	Self-healing + Pressure-sensitive disconnecter + Discharge device
Protection	IP20 (for fast-on and clamptype terminal)

Construction

Casing	Extruded Aluminium Can
Dielectric	Metallized polypropylene film with Zn/Al alloy. Special resistivity & profile, special edge (wave-cut)
Impregnation	Non-PCB, polyurethane sticky resin (Dry)

⚠ WARNING

HAZARD OF ELECTRICAL SHOCK

Wait 5 minutes after isolating supply before handling

⚡ Failure to follow these instructions can result in injury or equipment damage