

An easy choice for savings which is optimized to deliver the performance you need. Suitable for standard operating conditions to deliver safe and reliable performance.

Group of 2 EC Caps.jpg



EasyCan

Operating conditions

- For networks with insignificant non-linear loads: ($N_{LL} \leq 10\%$).
- Standard voltage disturbances.
- Standard operating temperature up to 55 °C.
- Normal switching frequency up to 5000 /year.
- Maximum current (including harmonics) is $1.5 \times I_N$.

Easy installation & maintenance

- Optimized design for low weight, compactness and reliability to ensure easy installation and up to 20% space savings in cubicles.
- New CLAMPTITE terminals that allows maintained tightness.
- Non accessible in-built discharge resistors to ensure safety.
- 1 point for mounting and earthing.
- 3 phase simultaneous safe disconnection at end of life.
- Stacked design and resin filled technology for better cooling.

Safety

- Self-healing.
- Pressure-sensitive disconnecter on all three phases.
- Discharge resistors fitted - non removable.
- Finger-proof CLAMPTITE terminals to reduce risk of accidental contact and to ensure firm termination (10 to 30 kvar).

Technology

Constructed internally with three single-phase capacitor elements assembled in an optimized design. Each capacitor element is manufactured with metallized polypropylene film.

The active capacitor elements are encapsulated in a specially formulated biodegradable, non-PCB, polyurethane soft resin which ensures thermal stability and heat removal from inside the capacitor.

The unique finger-proof CLAMPTITE termination is fully integrated with discharge resistors and allows suitable access to tightening and allows cable termination without any loose connections.

For lower ratings, double fast-on terminals with wires are provided.

Benefits

- Easy installation
- Easy for reliability and safe usage.
- Easy for quality assurance.
- Easy choice for building your solutions with other Schneider Electric components.
- Easy choice for savings.



Technical specifications

General characteristics

Standards		IEC 60831-1/2
Voltage range		230 to 525 V
Frequency		50 / 60 Hz
Power range		1 to 30 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	3 kV (AC), 10 s or 3.66 kV (AC), 2 s
	Impulse voltage	8 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 1.5 x I _N
Peak inrush current	200 x I _N
Switching operations (max.)	Up to 5,000 switching operations per year
Mean Life expectancy	Up to 100,000 hrs
Harmonic content withstand	N _{LL} ≤ 10 %

Installation characteristics

Mounting position	Indoor, upright
Fastening	Threaded M12 stud at the bottom
Earthing	
Terminals	CLAMPTITE - three-way terminal with electric shock protection (finger-proof) & double fast-on terminal in lower kvar

Safety features

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


Construction

Casing	Extruded Aluminium Can
Dielectric	Metallized polypropylene film with Zn/Al alloy
Impregnation	Biodegradable, Non-PCB, poly urethane soft resin

⚠ 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