EasyCan
Single Phase & Three Phase

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.

GroupofECCapscopy.eps

EasyCan three phase

Groupof3_SF_ECCapscopy.eps

EasyCan single phase

Operating conditions

- For networks with insignificant non-linear loads: (N_{LL} ≤ 10 %).
- Standard voltage disturbances.
- Standard operating temperature up to 55 °C.
- Normal switching frequency up to 5 000 /year.
- Maximum current (including harmonics) is 1.5 x I_N.

Easy installation & maintenance

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

Safety

- Self-healing.
- Pressure-sensitive disconnector 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 30.3 kvar in three phase and 8.3 - 15.1 kvar in single phase).

Technology

Constructed internally with 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 reliablity and safe usage.
- Easy for quality assurance.
- Easy choice for building your solutions with other Schneider Electric components.
- Easy choice for savings.

EasyCan
Single Phase & Three Phase

Technical specifications

General characteristics		
Standards		IEC 60831-1/2
Voltage range		230V to 525V in Three Phase & 220-440V in Single Phase
Frequency		50 / 60 Hz
Power range		1 to 30.3 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 - terminals with electric shock protection (finger-proof) & double fast-on terminal in lower kvar ■ Stud type terminal: □ Three way stud type terminals for the ratings above 30.3 kvar in three phase capacitors (2 terminals for single phase) □ Two way stud terminals for ratings above 15.1 kvar in single phase
Safety features		
Safety		Self-healing + Pressure-sensitive disconnector + 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