

When less means more



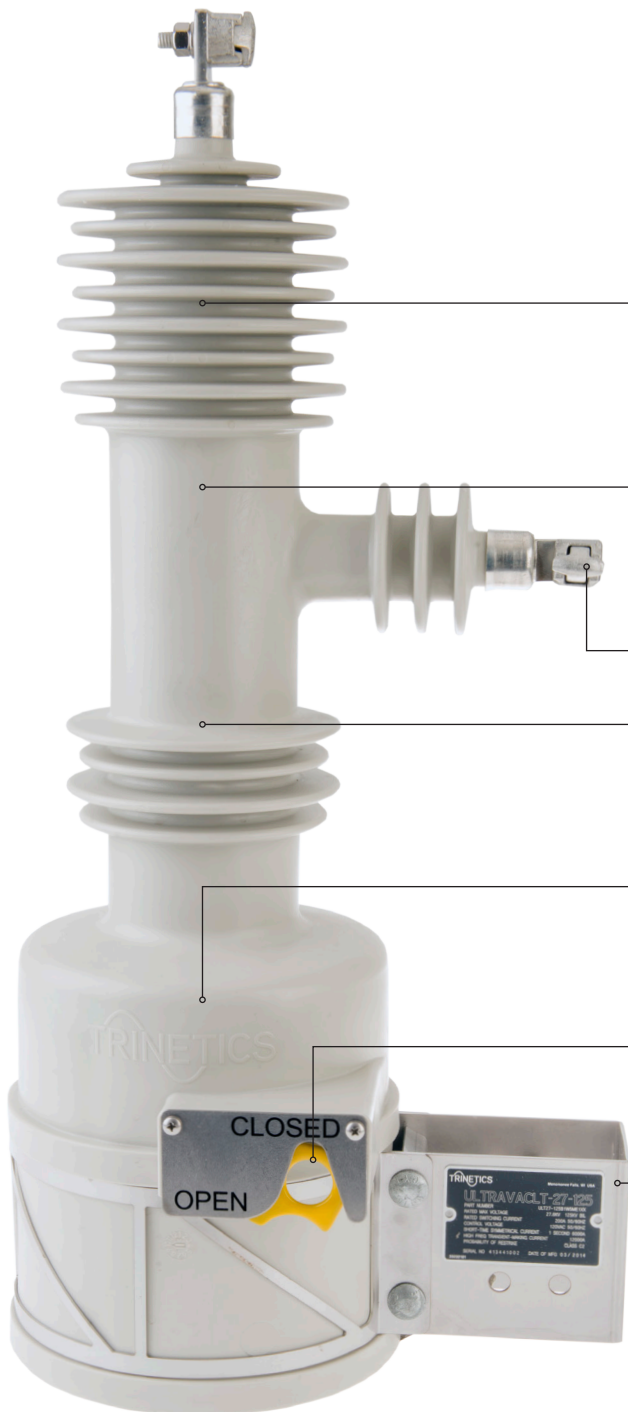
**UltraVacLT®**  
Vacuum Capacitor Switch



# UltraVacLT® Vacuum Capacitor Switch

In the tradition of our time-proven UltraVac® capacitor switches, the next generation UltraVacLT® series is designed for best-in-class performance. These UltraVacLT® single-phase solid dielectric solenoid operated capacitor switches are ideal for both pole and pad-mounted distribution capacitor banks used in power factor correction applications. They are designed and tested for the most demanding applications and harshest of environmental conditions.

- Suitable for 15kV and 25kV class ratings
- Lightweight low profile design
- Corrosion resistant material
- Low current solenoid
- Maintenance free
- Best in class C2 restrike rating
- Compliant with ANSI C37.66 - 2005
- Versatile for a variety of applications



### Lightest weight in the industry

#### Time proven vacuum interrupter

- Suitable for line-to-line grounded systems application up to 41.5kV
- 200A capacitive current switching
- C2 restrike rating

#### Corrosion resistant high density polyethylene

- Suitable for coastal and high contamination applications
- Hydrophobic, impact resistant and UV resistant
- Passed IEC 62217 1,000 hour salt fog test

#### Eyebolt terminations and wildlife protection guard (not shown here) as standard

#### One piece, tank-less insulator design

- Rated up to 150kV BIL
- Meets IEC 815 Class IV for creepage distance
- Environmentally friendly - free from oil, gas, or foam

#### Patent pending switching mechanism

- Low power solenoid operator at 9A rms
- Maintenance free for 50,000 open and 50,000 close operations
- Available operating voltages - 120Vac, 240Vac and 125Vdc

#### Manual Operating Handle

- Highly visible and easily identifiable switch position indicator
- Provides both manual open and close operation

#### Corrosion resistant stainless steel mounting system

- Unique clamping band with NEMA hanger bracket
- Infinite adjustable mounting rotation up to 275 degrees
- No risks of compromising seals when adjusting mounting rotation

#### Compliant with ANSI C37.66 - 2005

#### Made in the USA

# Why is the UltraVacLT® capacitor switch your best choice?

## Lowest total cost of ownership

The exceptional performance of the UltraVacLT® switch driven by the patent pending switching mechanism combined with a time-proven vacuum interrupter results in a best-in-class C2 restrike rating and 50,000 maintenance-free operations. Coupled with corrosion resistant materials and uncompromising quality, the UltraVacLT® switch is the most reliable, robust and cost-effective solution for your capacitor switching applications.

## Ease of installation, for a convenient, faster and safer install

The innovative one piece tank-less design of the UltraVacLT® switch makes it the lightest in the industry. The unique clamping band with NEMA hanger

bracket provides an infinite adjustable mounting system for flexible installation with rotation up to 275 degrees. In addition, the switch can be mounted in either a vertical or horizontal position for increased flexibility.

## Versatile for all applications including coastal, high contamination and retrofit

The UltraVacLT® switch with its low amperage draw is an easy choice for field replacements of solenoid switches as well as legacy motor operated switches. Made of corrosion resistant materials suitable for the harshest environments and its low profile design applicable for the smallest of spaces, the UltraVacLT® switch is the ideal choice.

## UltraVacLT® Vacuum Capacitor Switch Technical Specifications

Model	UltraVacLT® 15	UltraVacLT® 27
Rated Maximum Voltage, 50/60Hz for ungrounded capacitor banks, line-to-line, kV, RMS	17.8	27.6
Rated Maximum Voltage, 50/60Hz for grounded capacitor banks, line-to-line, kV, RMS	26.8	41.5
Impulse Withstand Voltage, Line-to-ground, kV BIL	95   125	125   150
Impulse Withstand Voltage, Open gap, kV BIL	95   110	125   150
Power frequency withstand voltage, 60 Hz:		
1 Minute Dry, kV	50	60
10 Seconds Wet, kV	45	50
Continuous Current, 50/60Hz, Amps	200	200
Capacitive Switching Current, 50/60Hz, Amps	200	200
Fault making peak current, Amps	15,000	15,000
Fault making current, symmetrical RMS, Amps	6,000	6,000
Short time withstand current 1.0 s, symmetrical RMS, Amps	6,000	6,000
High frequency peak		
Transient making current, Amps	12,000	12,000
Transient in-rush frequency, Hz	6,000	6,000
Operating current rating		
120VAC, Amps	9	9
240VAC, Amps	4.5	4.5
125VDC, Amps	9	9
Operating voltage range		
120VAC, Volts	96 to 140	96 to 140
240VAC, Volts	192 to 280	192 to 280
125VDC, Volts	106 to 144	106 to 144
Nominal open/close time, ms	100	100
Creep distance,		
terminal to terminal, inches / mm	20.3 / 516	28.5 / 724
terminal to ground, inches / mm	25 / 635	25 / 635
Weight, lbs / kg	20 / 9	22 / 10
Operating temperature range, deg F / deg C	-40 to +140 / -40 to +60	-40 to +140 / -40 to +60
Humidity %	100	100
Mechanical Operations	50,000	50,000
Restrike category per IEEE 37.66 standards, Class	C2	C2
Insulation Type	High Density Polyethylene	High Density Polyethylene
Standards	ANSI/IEEE 37.66	ANSI/IEEE 37.66
Standard Terminal Type	Eye bolt clamps	Eye bolt clamps

## Selection Guide

Select from the catalog breakdown table options below. Enter the desired selection in the corresponding position

**ULT**  **B**   **S**   **XX**

1    2    3    4    5    6    7    8    9

### (1) Capacitor Switch Model

Model	Code
UltraVacLT®	ULT

### (2) kV Rating & kV BIL Rating

Voltage Class	kV BIL Rating	Code
15kV	95	15-095
	110/125 (open gap/L-G)	15-125
27kV	125	27-125
	150	27-150

### (3) Phase & Current Rating

Phase	Current Rating	Code
1 phase	200A	B

### (4) Control Operating Voltage

Voltage	Code
120VAC (standard)	1
240VAC	2
125VDC*	3

\*125VDC is not offered with the code W5 auxiliary type

### (5) Auxiliary Type & Control Connection Type - Receptacle Pin (Connector)

Auxiliary Type	Receptacle Pin	Code
None	5	X5
Form C (SPDT- common is control voltage neutral) [standard] Not offered with the 125VDC option.	5	W5
Form A (NO dry)	5	A5
Form B (NC dry)	5	B5
Form C (SPDT dry)	6	C6
Form A & Form B (dry)	7	D7
Form A & Form B (dry)	8	D8

### (6) Mounting Bracket & Style

Description	Code
Stainless steel band and pole mounting bracket	S

### (7) Nameplate Language

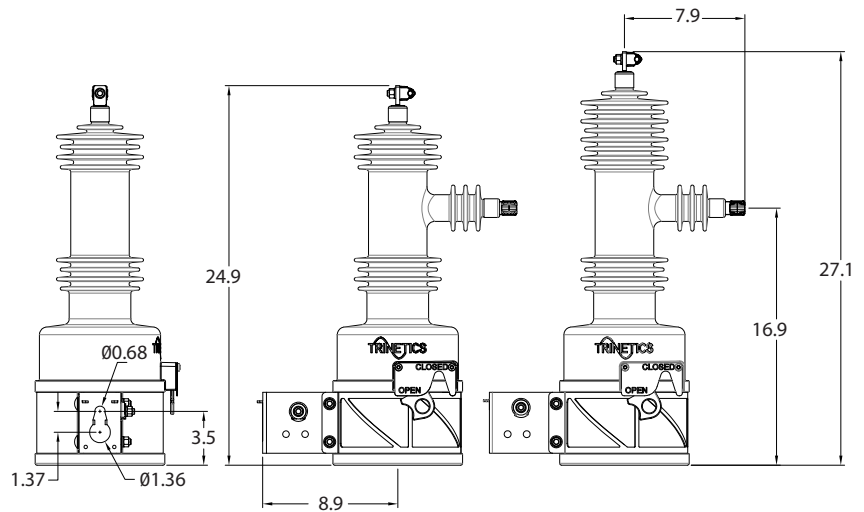
Language	Code
English (standard)	E
Portuguese	P
Spanish	S

### (8) Terminations & Ground

Termination Type	Ground Type	Code
Eyebolt Bushing Termination (8AWG-2/0)	Stud and washer nut ground (standard)	1
	Eyebolt ground	2
	Parallel groove connector ground	3

### (9) Options

Description	Code
None (standard)	XX



### Switch Standards

- Two wildlife protectors
- Manual open and close handle
- Please contact factory for any special options not listed above

