



ULV Series

Product Training



Service ◆ Selection ◆ Speed



Introduction

Purpose

- Present E-Switch's new ULV Series Anti-vandal Switch Series to customers

Objective

- Review the features and benefits of ULV Series
- Explain advantages of E-Switch ULV Series
- Provide typical applications

Content

- 17 pages



Overview

ULV Series Anti-vandal Switches

- “UL” stands for UL Certified
- “V” stand for anti-vandal

ULV Series includes:

- ULV4 (19mm)
- ULV7 (22mm)
- ULV8 (25mm)



ULV4



ULV7



ULV8



Features & Benefits



IP67 Rated

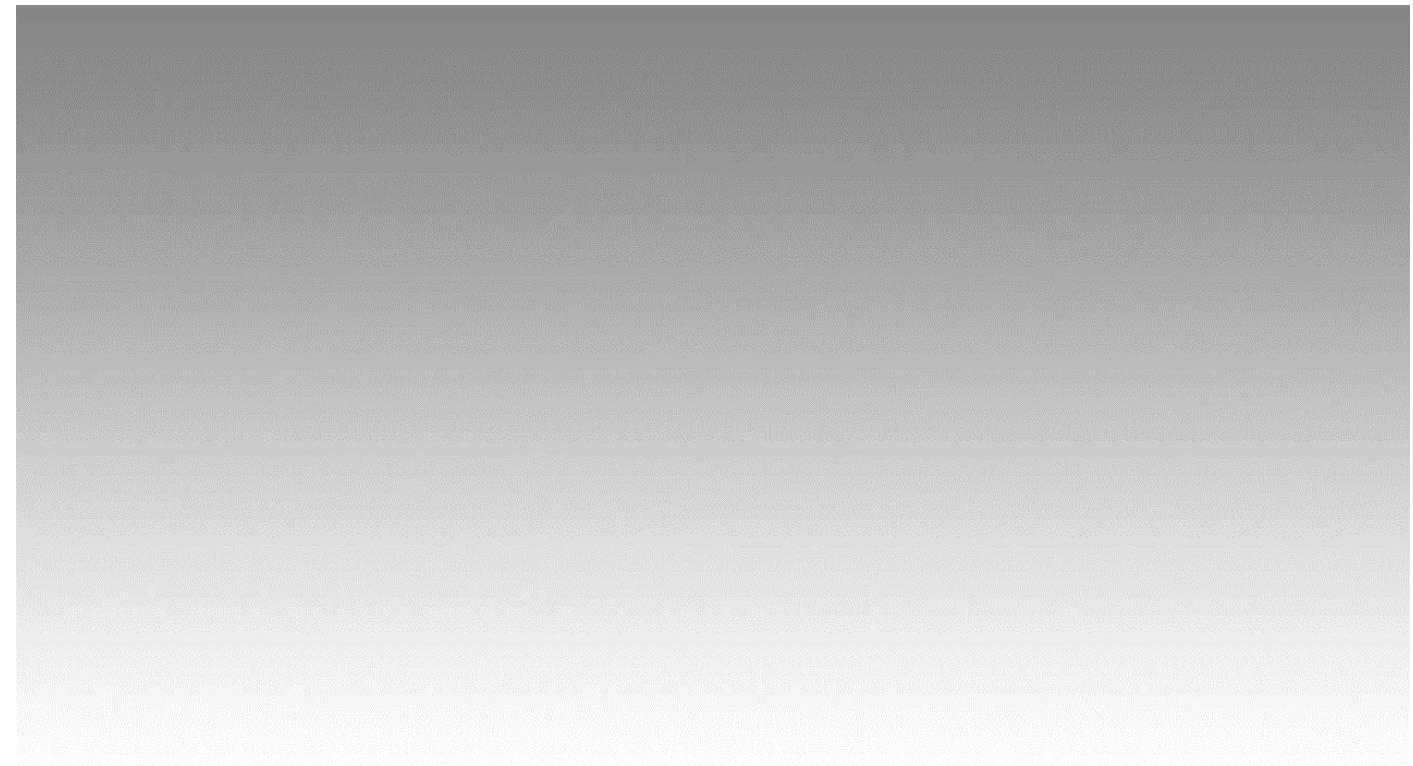
- Designed for harsh use
- High resistance to wear & tear
- High resistance to corrosion
- Dust and moisture protection



Features & Benefits

The ULV Series provides:

- Large tamperproof, anti-jamming pushbutton
- Long travel of 3.2mm
- Actuation force of 2.5N - Single Pole
- 3.5N - Double Pole
- Offers momentary or latching operation
- Long mechanical life expectancy:
 - 1,000,000 cycles (momentary)
 - 500,000 cycles (latching)



Operating Feature

Momentary



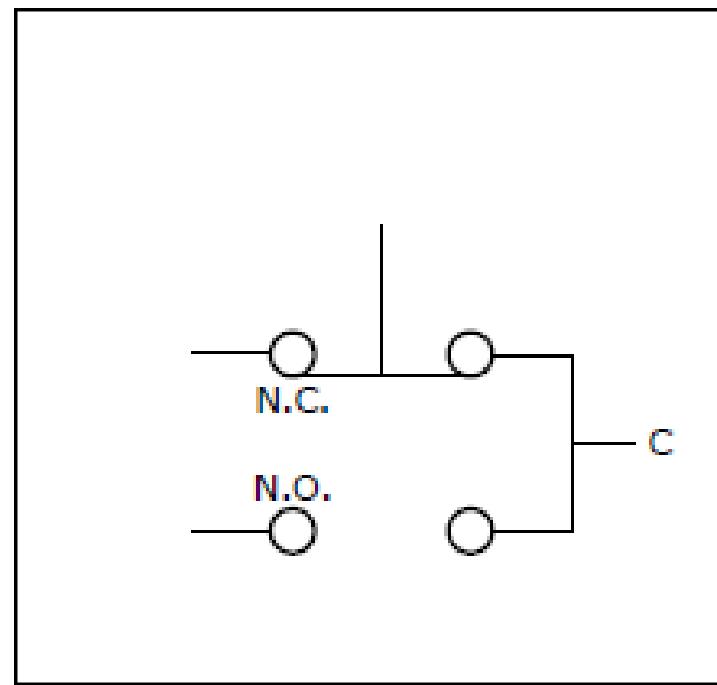
Operating Feature

Latching

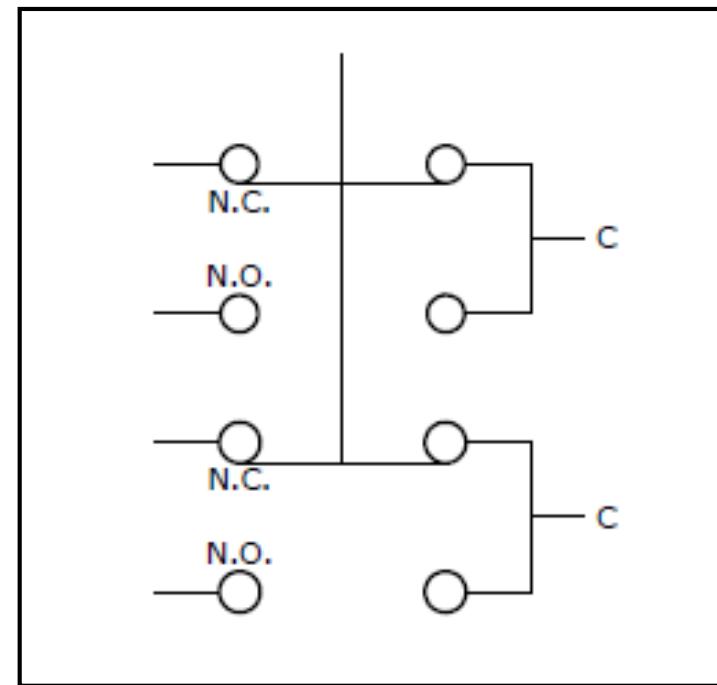


Contact Configuration

SPDT



DPDT



Contact Configuration

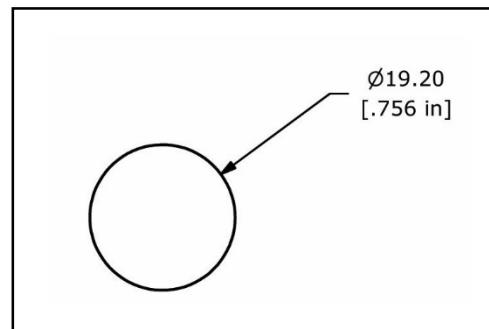




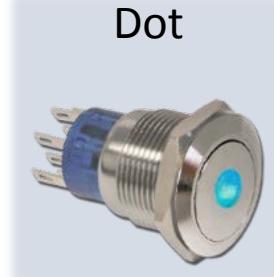
Option Selection

ULV4

19mm diameter panel cutout



Dot



Ring



Power Symbol



White



Red



Orange



Green



Blue



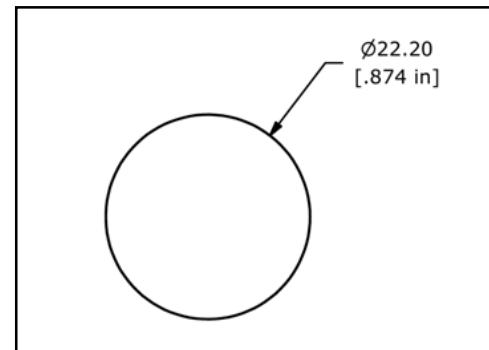
Yellow



Option Selection

ULV7

22mm diameter panel cutout



Ring



White



Red



Green



Blue



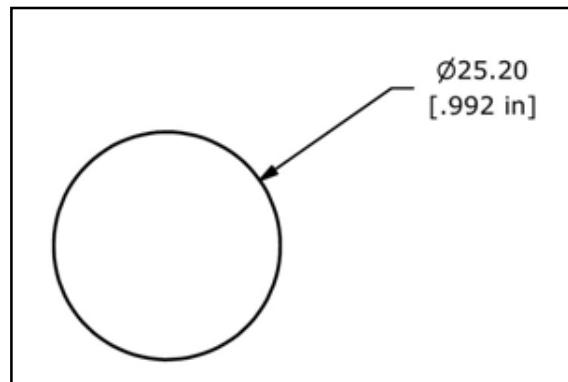
Yellow



Option Selection

ULV8

25mm diameter panel cutout



White



Red



Green



Blue



Yellow



Applications

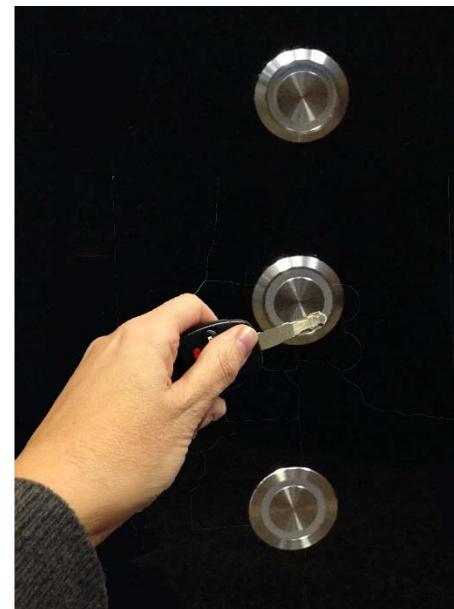
ULV4



ULV7



ULV8





Applications

Audio/Visual



Marine Equipment



Watercraft Controls



Commercial Restaurant Equipment



Industrial Controls



Ticket/Vending Kiosks



Security Controls

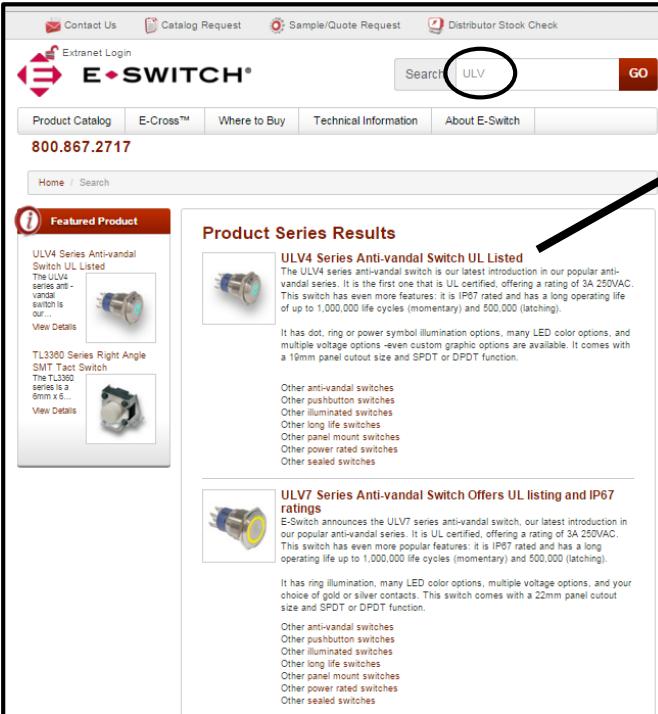


Voting Machine Security

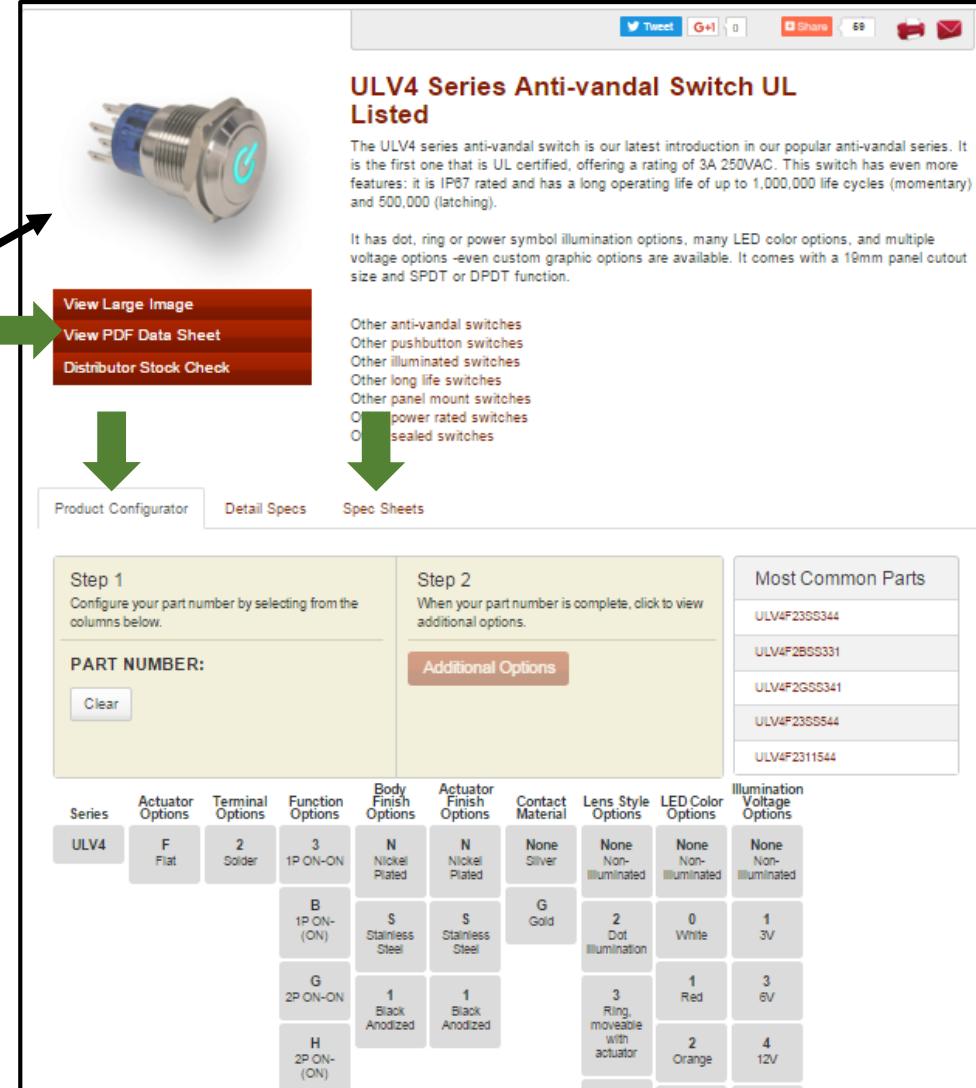


Resources

www.e-switch.com



The screenshot shows the E-SWITCH website's search results for the term 'ULV'. The search bar at the top has 'ULV' typed into it. Below the search bar, the 'GO' button is highlighted with a red circle. The main content area displays 'Product Series Results' for the 'ULV4 Series Anti-vandal Switch UL Listed'. This section includes a product image, a brief description, and a 'View Details' link. To the left, there's a 'Featured Product' section for the 'ULV4 Series Anti-vandal Switch UL Listed' and a 'T1380 Series Right Angle SMT Tact Switch'. At the bottom, there are sections for 'ULV7 Series Anti-vandal Switch Offers UL listing and IP67 ratings' and 'Other anti-vandal switches'.



The screenshot shows the product page for the 'ULV4 Series Anti-vandal Switch UL Listed'. At the top, there's a large image of the switch, social sharing buttons (Twitter, Google+, Print, Email), and a 'Share' button. The main title is 'ULV4 Series Anti-vandal Switch UL Listed'. Below the title, a detailed description highlights its UL certification, 3A rating, and long operating life. Three green arrows point from the 'View Large Image', 'View PDF Data Sheet', and 'Distributor Stock Check' buttons on the left to the corresponding sections on the right. The right side of the page includes a 'Product Configurator' section with tabs for 'Step 1' (PART NUMBER) and 'Step 2' (Additional Options), and a 'Spec Sheets' section. A sidebar on the right lists 'Most Common Parts' with links to various switch models. At the bottom, a large table provides a detailed configuration matrix for the ULV4 series, covering Series, Actuator Options, Terminal Options, Function Options, Body Finish Options, Actuator Finish Options, Contact Material, Lens Style Options, LED Color Options, and Illumination Voltage Options.

Series	Actuator Options	Terminal Options	Function Options	Body Finish Options	Actuator Finish Options	Contact Material	Lens Style Options	LED Color Options	Illumination Voltage Options
ULV4	F Flat	2 Solder	3 1P ON-ON	N Nickel Plated	N Nickel Plated	None Silver	None Non-illuminated	None Non-illuminated	None Non-illuminated
			B 1P ON-(ON)	S Stainless Steel	S Stainless Steel	G Gold	2 Dot Illumination	0 White	1 3V
			G 2P ON-ON	1 Black Anodized	1 Black Anodized		3 Ring, moveable with actuator	1 Red	3 6V
			H 2P ON-(ON)					2 Orange	4 12V

Resources

www.e-switch.com

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E-SWITCH®

Search Part No, Drawing, Series GO

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E-SWITCH®

3D Drawings

Request 3D Drawings

Product Matrix

Summary

- ULV4, ULV7, ULV8
- UL Certified
- Travel of 3.2mm
- Actuation Force: Single Pole – 2.5N, Double Pole – 3.5N
- Momentary or latching operation
- Mechanical Life: 1,000,000 cycles (momentary), 500,000 cycles (latching)
- Single Pole Double Throw and Double Pole Double Throw contact arrangements
- IP67 rated for moisture and dust protection
- Tamperproof and anti-jamming construction
- ULV4 offers multiple illumination patterns and the ULV7 and ULV8 provide a ring illumination pattern
- Multiple illumination colors