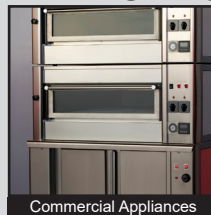


ULV4 SERIES ANTI-VANDAL SWITCH

ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS



APPLICATIONS / MARKETS



Commercial Appliances



Security Devices



Industrial Controls



Kiosks



Electrical Housewares



Medical Equipment

C **RU** US

RoHS

SPECIFICATIONS

Electrical Rating: 3A, 125/250VAC
Mechanical Life: 1,000,000 cycles (momentary); 500,000 cycles (latching)
Electrical Life: 50,000 Cycles
Contact Resistance: 50mΩ Max. at 1A 12VDC
Insulation Resistance: 1,000MΩ min. @ 500 VDC
Dielectric Strength: 2,000V RMS at sea level
Operating/Storage Temperature: -20°C to 55°C
Travel: 3.2mm
Moisture Protection: IP67
Contact Arrangement: SPDT or DPDT
Actuation Force: SPDT: 2.5N; DPDT: 3.5N,
 Molded Back: SPDT & DPDT: 5.5N
Panel Thickness: 1-10mm
Hex Nut Torque: 5-14Nm
Mechanical Impact Protection: IK10 (Stainless)
Agency Approvals: cURus

FEATURES & BENEFITS

- 19mm diameter panel cutout
- Dot or ring or power illumination options available
- Multiple switch functions available
- Multiple illumination voltage options
- IP67 rated
- SPDT or DPDT
- UL Certified
- Custom graphics available
- Soldered wire leads (300mm long) optional
- Detachable socket w/ wire leads (500mm long) optional
- Molded back w/ wire leads (500mm long) optional

PART NUMBER CONFIGURATOR

Series	Actuator	Terminal	Function	Body Finish	Actuator Finish	Contact Material	Lens Style	LED Color	Illumination Voltage	Graphic Options
ULV4	F - Flat	2 - Solder Lug	3 - 1P ON-ON	N - Nickel Plated	N - Nickel Plated	None - Silver	None - Non-Illuminated	None - Non-Illuminated	None - Non-Illuminated	L17 - Bluetooth
		W - Wire Leads	B - 1P ON-(ON)*	S - Stainless Steel	S - Stainless Steel	G - Gold	2 - Dot Illumination	0 - White	1 - 3V	L18 - Wifi
		P - Detachable	G - 2P ON-ON	1 - Black Anodized	L - Silver for Graphic		3 - Ring Illumination, movable with actuator	1 - Red	3 - 6V	L20 - START
		Socket w/ Wire Leads 500mm long	H - 2P ON-(ON)*				3 - Green Illumination, movable with actuator	2 - Orange	4 - 12V	L21 - OFF
		M - Molded Back w/ Wire Leads 500mm long					4 - Blue	3 - Green	5 - 24V	L22 - ON
							5 - Yellow	4 - Blue	6 - 110V	L35 - STOP
							5 - Power symbol Illumination	F - Red / Orange	7 - 220V	
							L - Graphic Illumination (Only Available with L Actuator Finish)	G - Red / Green		For more standard options reference the Graphic Options pages of Data Sheet
								H - Red / Blue		
								J - Red / Yellow		
								K - Orange / Green		
								N - Blue / Green		
								P - Green / Yellow		
								Q - Blue / Yellow		

NOTES:

*() denotes function is momentary
 Call us for custom graphic options 800-867-2717

Specifications subject to change without notice 12.2.2021



E-SWITCH®

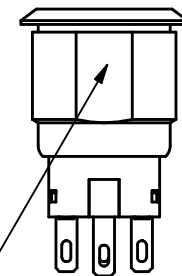
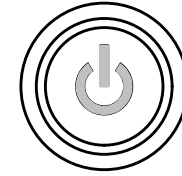
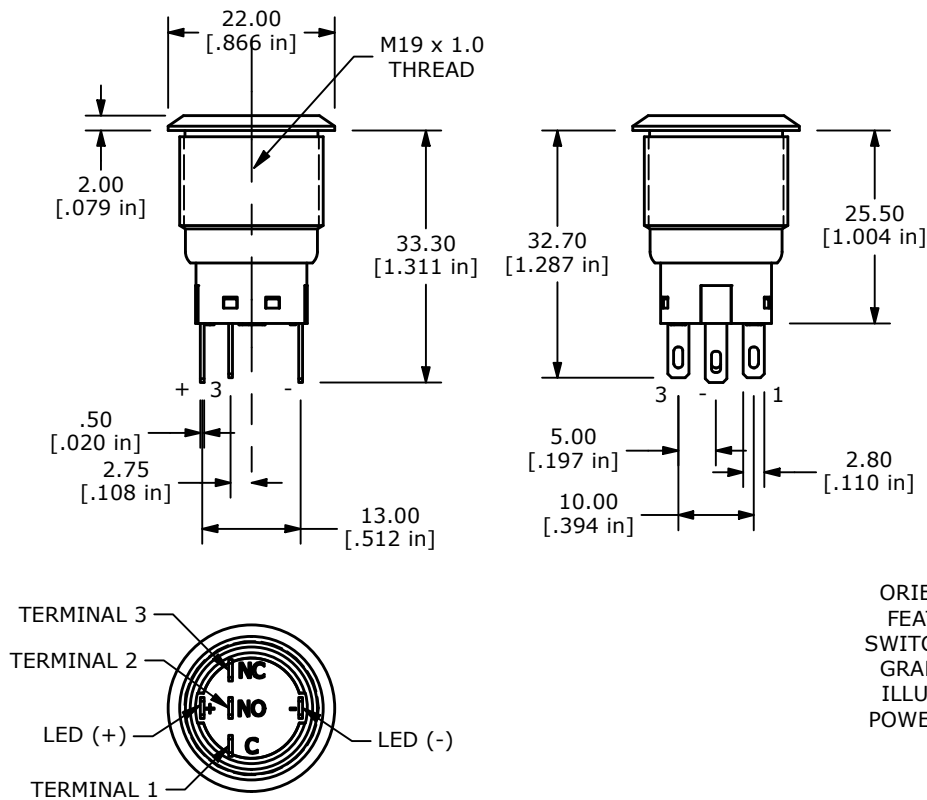
www.e-switch.com

800.867.2717

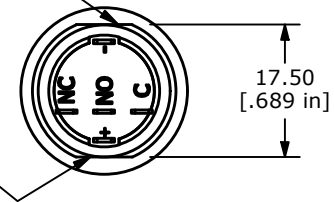
1

ULV4 SERIES ANTI-VANDAL SWITCH

BODY DIMENSIONS - SPDT

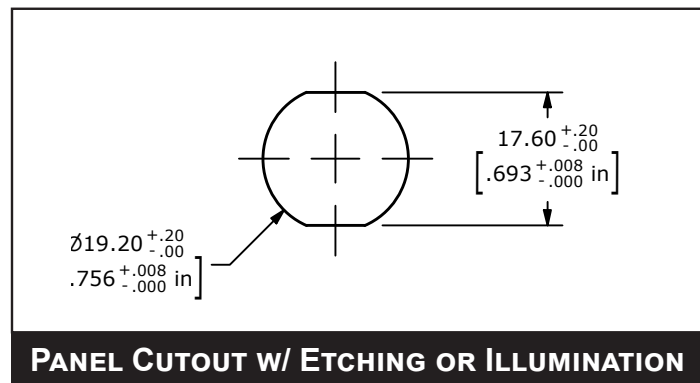
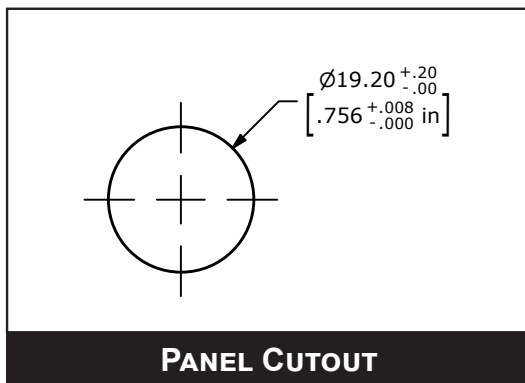


ORIENTATION
FEATURE ON
SWITCHES WITH
GRAPHICS OR
ILLUMINATED
POWER SYMBOL



SPDT SWITCH DIMENSIONS

GRAPHIC OPTIONS



E-SWITCH®

www.e-switch.com

800.867.2717

2

ANTI-VANDAL
SWITCHES
DETECTOR
SWITCHES
DIP
SWITCHES
KEYLOCK
SWITCHES
NAVIGATION
SWITCHES
PUSHBUTTON
SWITCHES
ROCKER
SWITCHES
ROTARY
SWITCHES
SLIDE
SWITCHES
SNAP ACTION
SWITCHES
TACTILE
SWITCHES
TOGGLE
SWITCHES
CAP
OPTIONS

ANTI-VANDAL SWITCHES

DETECTOR SWITCHES

DIP SWITCHES

KEYLOCK SWITCHES

NAVIGATION SWITCHES

SHBUTTON SWITCHES

ROCKER WITCHES

ROTARY WITCHES

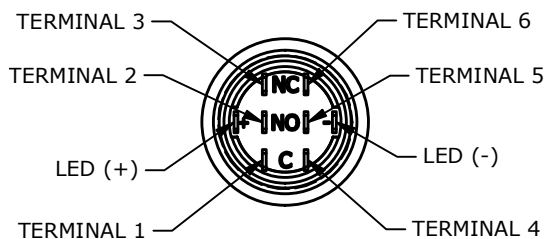
SLIDE WITCHES

P ACTION WITCHES

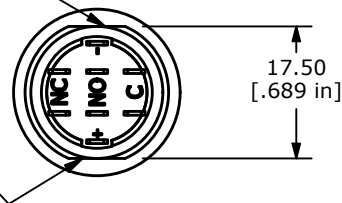
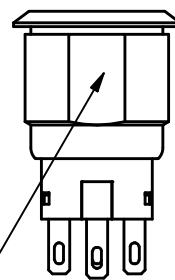
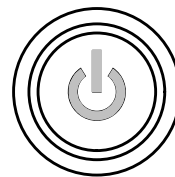
ACTIVE SWITCHES

GOOGLE ITCHES

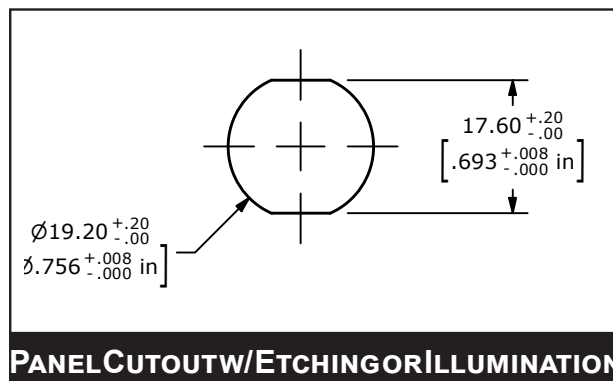
APPENDICES



ORIENTATION
FEATURE ON
SWITCHES WITH
GRAPHICS OR
ILLUMINATED
POWER SYMBOL

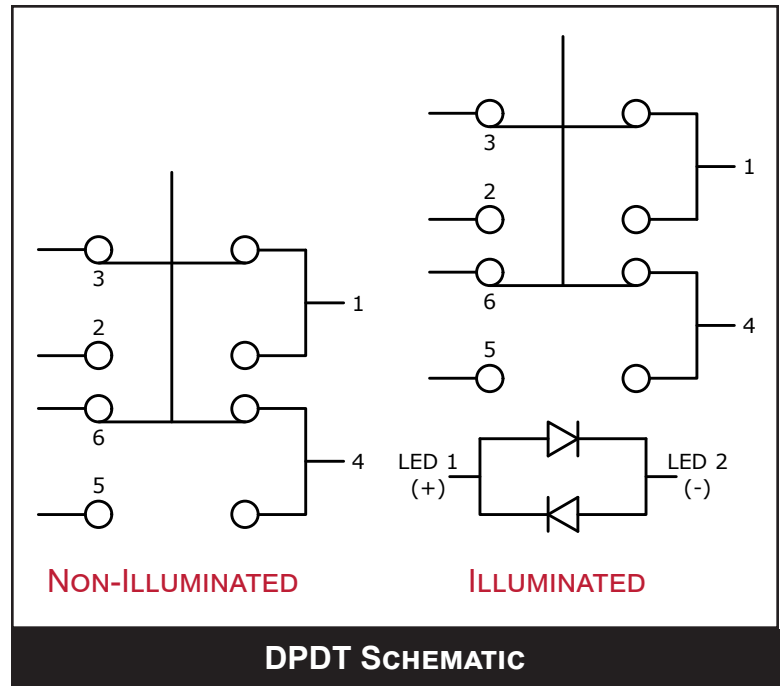
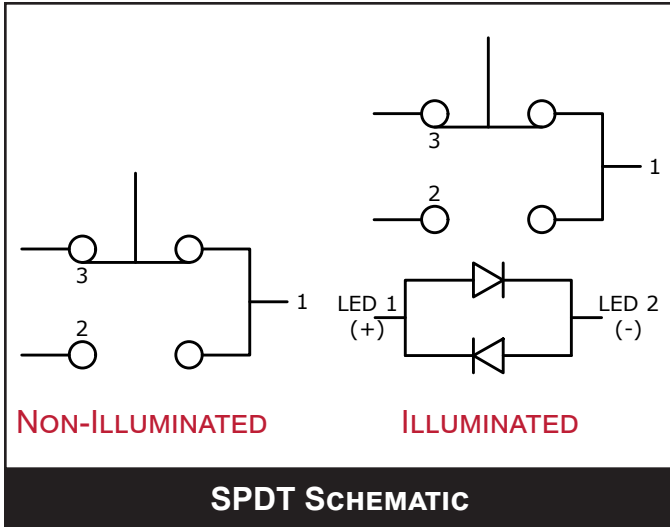


GRAPHIC OPTIONS

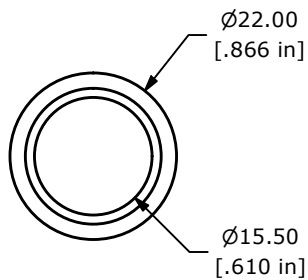


ULV4 SERIES ANTI-VANDAL SWITCH

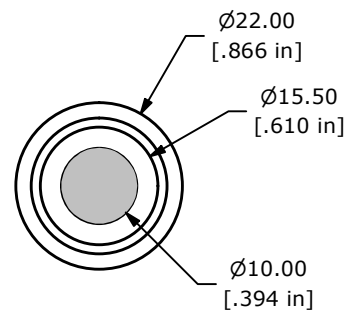
SCHEMATICS



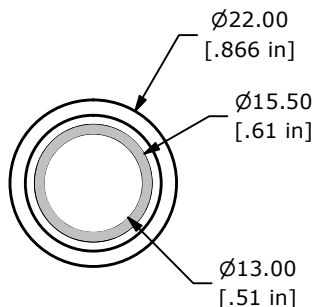
ACUATOR OPTIONS



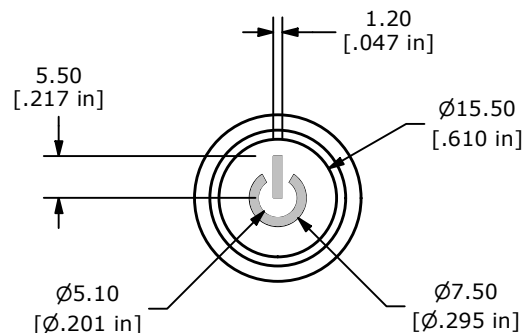
Non-ILLUMINATED



Dot ILLUMINATED



RING ILLUMINATED



POWER SYMBOL



E-SWITCH®

www.e-switch.com

800.867.2717

4

ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS

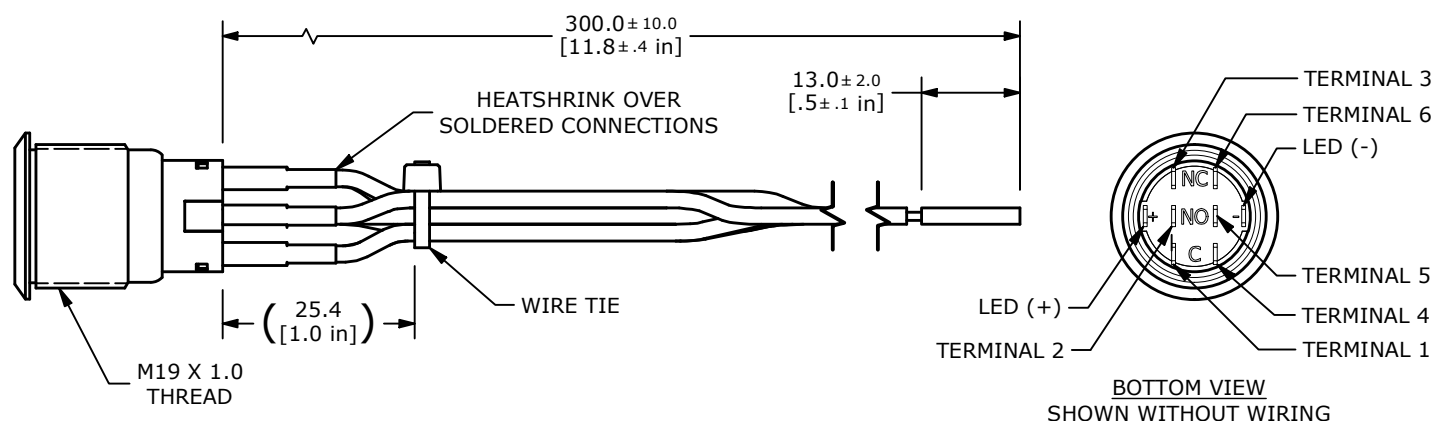
ULV4 SERIES ANTI-VANDAL SWITCH

WIRE OPTIONS

W - Wire Leads
300mm long

SWITCH	WIRE	LENGTH
SW1-1	WIRE, 24AWG AWM UL1015, BLUE	300.0 [11.8 in]
SW1-2	WIRE, 24AWG AWM UL1015, PURPLE	300.0 [11.8 in]
SW1-3	WIRE, 24AWG AWM UL1015, GREEN	300.0 [11.8 in]
SW1-4	WIRE, 24AWG AWM UL1015, WHITE	300.0 [11.8 in]
SW1-5	WIRE, 24AWG AWM UL1015, ORANGE	300.0 [11.8 in]
SW1-6	WIRE, 24AWG AWM UL1015, YELLOW	300.0 [11.8 in]
SW1- (-)	WIRE, 24AWG AWM UL1015, BLACK	300.0 [11.8 in]
SW1- (+)	WIRE, 24AWG AWM UL1015, RED	300.0 [11.8 in]

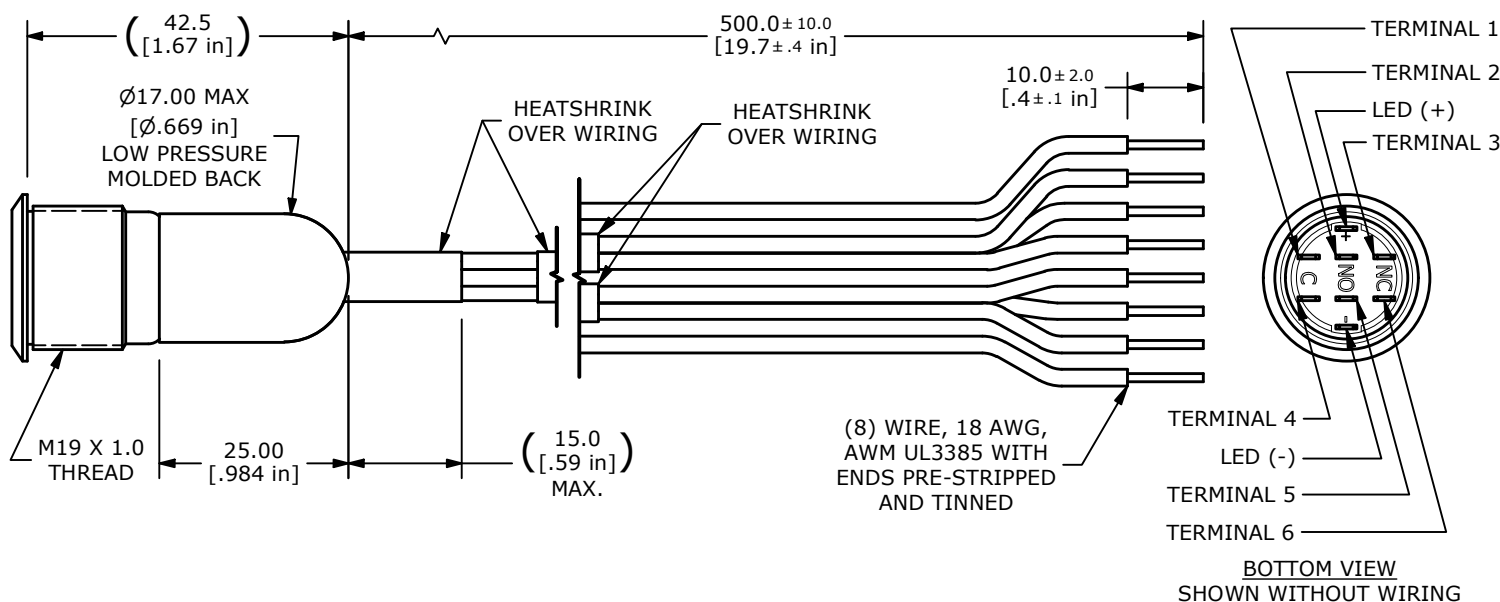
** WIRE LEADS PROVIDED ARE DEPENDENT ON THE FUNCTION SELECTED **



M - Molded Back
w/ Wire Leads
500mm long

SWITCH	WIRE	LENGTH
SW1-1	WIRE, 18 AWG AWM UL3385, GREEN	500.0 [19.7 in]
SW1-2	WIRE, 18 AWG AWM UL3385, PURPLE	500.0 [19.7 in]
SW1-3	WIRE, 18 AWG AWM UL3385, YELLOW	500.0 [19.7 in]
SW1-4	WIRE, 18 AWG AWM UL3385, GREEN	500.0 [19.7 in]
SW1-5	WIRE, 18 AWG AWM UL3385, PURPLE	500.0 [19.7 in]
SW1-6	WIRE, 18 AWG AWM UL3385, YELLOW	500.0 [19.7 in]
SW1- (-)	WIRE, 18 AWG AWM UL3385, BLACK	500.0 [19.7 in]
SW1- (+)	WIRE, 18 AWG AWM UL3385, RED	500.0 [19.7 in]

** WIRE LEADS PROVIDED ARE DEPENDENT ON THE FUNCTION SELECTED **



E-SWITCH®

www.e-switch.com

800.867.2717

5

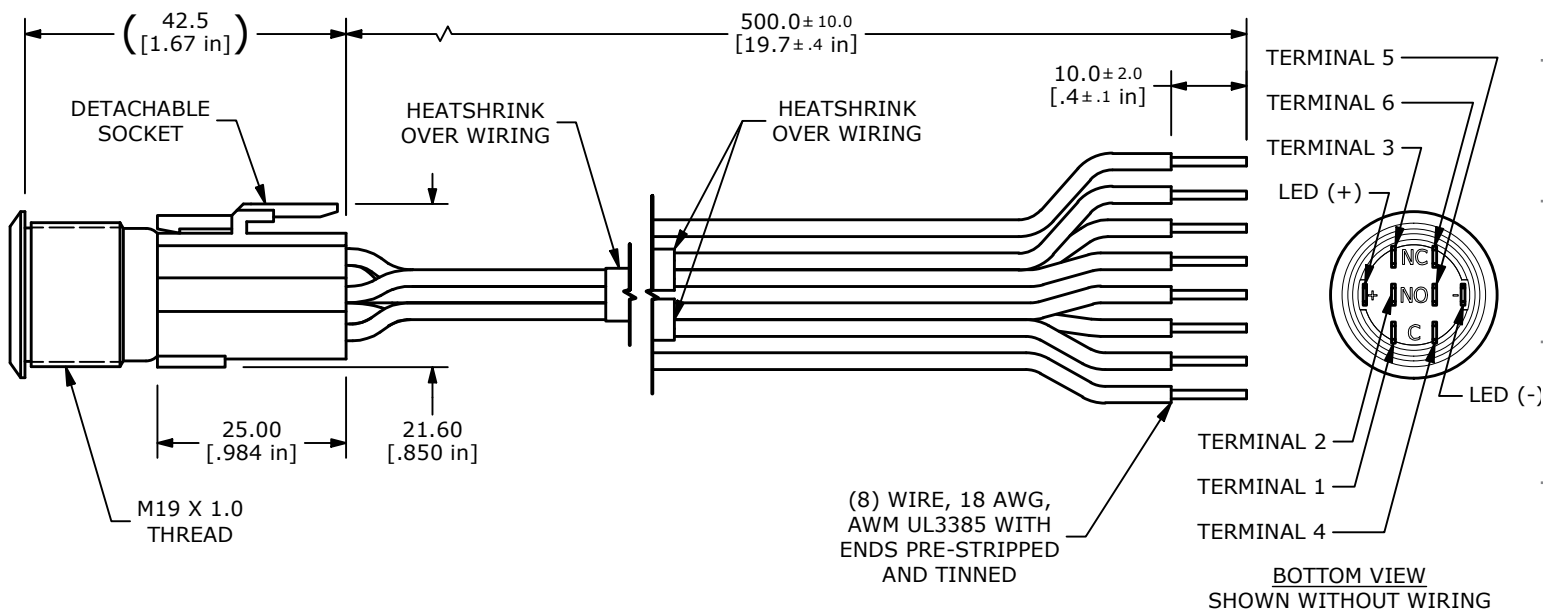
ULV4 SERIES ANTI-VANDAL SWITCH

WIRE OPTIONS

P - Detachable Socket
w/ Wire Leads
500mm long

SWITCH	WIRE	LENGTH
SW1-1	WIRE, 18 AWG AWM UL3385, GREEN	500.0 [19.7 in]
SW1-2	WIRE, 18 AWG AWM UL3385, PURPLE	500.0 [19.7 in]
SW1-3	WIRE, 18 AWG AWM UL3385, YELLOW	500.0 [19.7 in]
SW1-4	WIRE, 18 AWG AWM UL3385, GREEN	500.0 [19.7 in]
SW1-5	WIRE, 18 AWG AWM UL3385, PURPLE	500.0 [19.7 in]
SW1-6	WIRE, 18 AWG AWM UL3385, YELLOW	500.0 [19.7 in]
SW1- (-)	WIRE, 18 AWG AWM UL3385, BLACK	500.0 [19.7 in]
SW1- (+)	WIRE, 18 AWG AWM UL3385, RED	500.0 [19.7 in]

** WIRE LEADS PROVIDED ARE DEPENDENT ON THE FUNCTION SELECTED **



E-SWITCH®

www.e-switch.com

800.867.2717

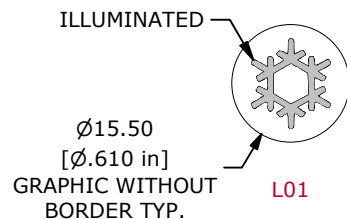
6

ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS

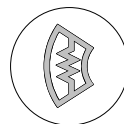
ULV4 SERIES ANTI-VANDAL SWITCH

GRAPHIC OPTIONS

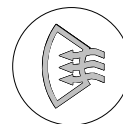
** REFER TO BODY DIMENSION PAGES 2 & 3 FOR GRAPHIC ORIENTATION **



L02



L03



L04



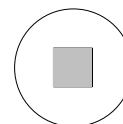
L05



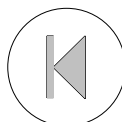
L06



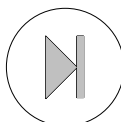
L07



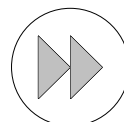
L08



L09



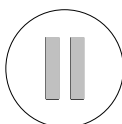
L10



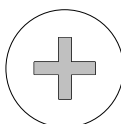
L11



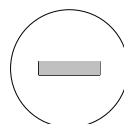
L12



L13



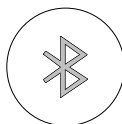
L14



L15



L16



L17



L18



L19



L20



L21



L22



L23



L24



E-SWITCH®

www.e-switch.com

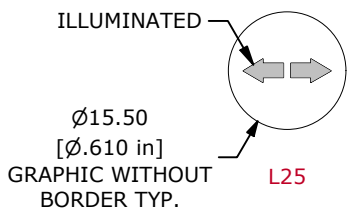
800.867.2717

7

ULV4 SERIES ANTI-VANDAL SWITCH

GRAPHIC OPTIONS (CONT.)

** REFER TO BODY DIMENSION PAGES 2 & 3 FOR GRAPHIC ORIENTATION **



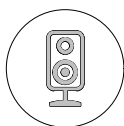
L26



L27



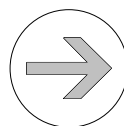
L28



L29



L30



L31



L32



L35



L36



L37



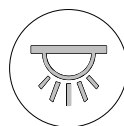
L38



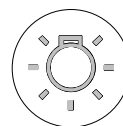
L42



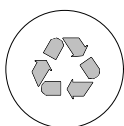
L43



L44



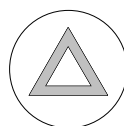
L45



L46



L47



L48

ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

SLIDE
SWITCHES

SNAP ACTION
SWITCHES

TACTILE
SWITCHES

TOGGLE
SWITCHES

CAP
OPTIONS



E-SWITCH®

www.e-switch.com

800.867.2717

8

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

E-Switch:

[ULV4F2BSS531](#) [ULV4F2GSSG534](#) [ULV4F2HSS341](#) [ULV4F2BSS331](#) [ULV4F23SS344](#) [ULV4F23SS544](#)
[ULV4F2GSS333](#) [ULV4F2GSS341](#) [ULV4F23SS531](#) [ULV4F2HSS333](#) [ULV4F23SS](#) [ULV4F2311544](#) [ULV4F2G115G1](#)
[ULV4F23SS311](#) [ULV4F2H11535](#) [ULV4F2BSS](#) [ULV4F2BSS503](#) [ULV4F2GSS545](#) [ULV4F2HS1315](#)
[ULV4F2BSS541](#) [ULV4F2HS1335](#) [ULV4FWGSS341](#) [ULV4FW3SS331](#) [ULV4FWBSS544](#) [ULV4FWB11544](#)
[ULV4FWBSS531](#) [ULV4F23SS341](#) [ULV4F2HSS545](#) [ULV4F2H11](#) [ULV4F23SS331](#) [ULV4F23SS546](#) [ULV4F2BSS511](#)
[ULV4F2311541](#) [ULV4F2BSS3J1](#) [ULV4F2G11534](#) [ULV4F2HSSG525](#) [ULV4F2B11541](#) [ULV4F2B11544](#)
[ULV4F2BSS344](#) [ULV4F2G11533](#) [ULV4F23SS541](#) [ULV4F2BSS311](#) [ULV4F2GSS517](#) [ULV4F2GSS546](#)
[ULV4F23SS505](#) [ULV4F2G11536](#) [ULV4F2GSS547](#) [ULV4F2HSSG334](#) [ULV4F2H11541](#) [ULV4F2BSS313](#)
[ULV4F2B11G544](#) [ULV4F2311355](#) [ULV4F2BSS351](#) [ULV4F2G11506](#) [ULV4F2B11324](#) [ULV4F2BSS544](#)
[ULV4F2GSS513](#) [ULV4F2B11343](#) [ULV4F2BSS335](#) [ULV4F2GSS344](#) [ULV4F2GNN347](#) [ULV4F23NN226](#)
[ULV4F23SS355](#) [ULV4F23SS535](#) [ULV4F23SS5H5](#) [ULV4F2BSS534](#) [ULV4F2BSS5G1](#) [ULV4F2BSSG345](#)
[ULV4F2G11G516](#) [ULV4F2GSS305](#) [ULV4F2311546](#) [ULV4F23NN531](#) [ULV4F2BSS5P1](#) [ULV4F2311](#) [ULV4F23SS314](#)
[ULV4F23SS324](#) [ULV4F23SS3G1](#) [ULV4F23SS514](#) [ULV4F23SS545](#) [ULV4F23SSG534](#) [ULV4F2B11514](#)
[ULV4F2B11543](#) [ULV4F2BNN](#) [ULV4F2BSS341](#) [ULV4F2BSSG3G1](#) [ULV4F2G11515](#) [ULV4F2G11516](#)
[ULV4F2G11535](#) [ULV4F2G11544](#) [ULV4F2G11545](#) [ULV4F2G11G515](#) [ULV4F2GSS313](#) [ULV4F2GSS335](#)
[ULV4F2GSS3P1](#) [ULV4F2GSS3P4](#) [ULV4F2GSS515](#) [ULV4F2GSS534](#) [ULV4F2GSS535](#) [ULV4F2GSS544](#)
[ULV4F2GSSG335](#)