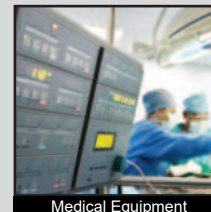
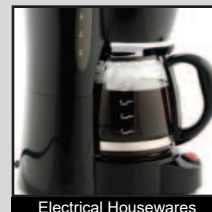
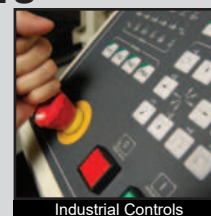


ULV4 SERIES ANTI-VANDAL SWITCH

ANTI-VANDAL SWITCHES
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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



C **UL** 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: 2,000VAC for 1 minute
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 and color 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, moveable with actuator	1 - Red	3 - 6V	L20 - START
		M - Molded Back w/ Wire Leads	H - 2P ON-(ON)*				5 - Power symbol Illumination	2 - Orange	4 - 12V	L21 - OFF
							L - Graphic Illumination (Only Available with L Actuator Finish)	3 - Green	5 - 24V	L22 - ON
								4 - Blue	6 - 110V	L35 - STOP
								5 - Yellow	7 - 220V	
								F - Red / Orange		For more standard options reference the Graphic Options pages of Data Sheet
								G - Red / Green		
								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 8.1.2022



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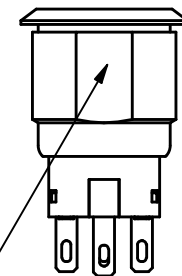
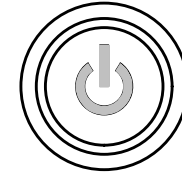
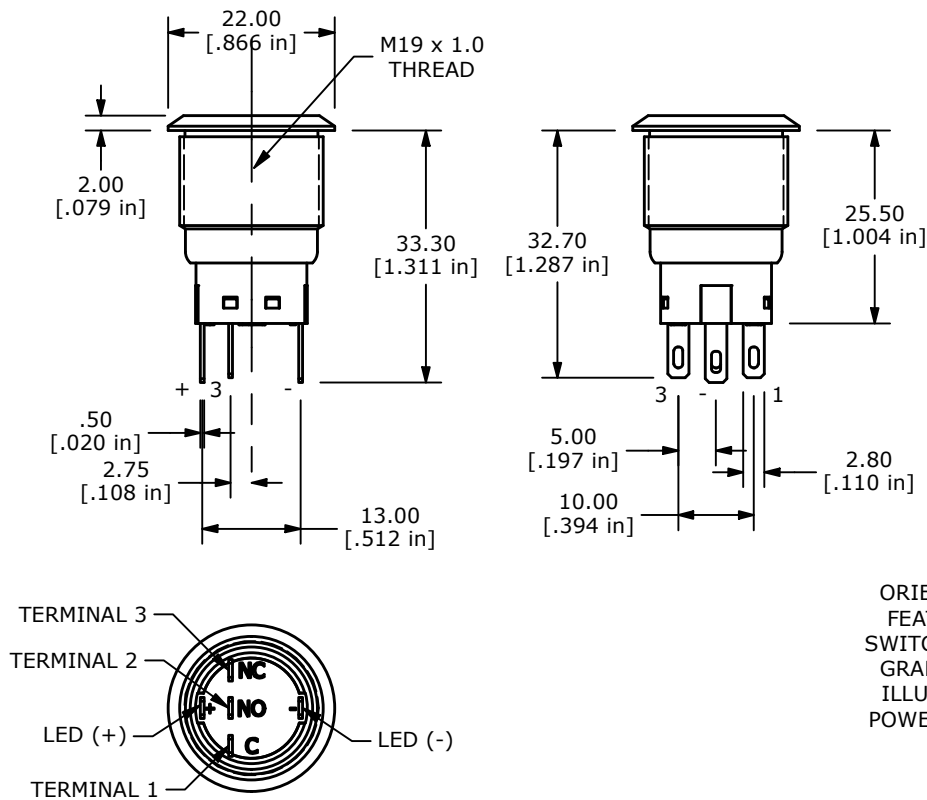
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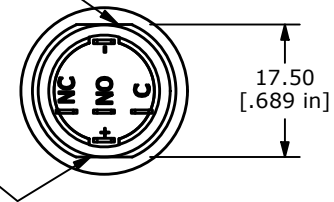
1

ULV4 SERIES ANTI-VANDAL SWITCH

BODY DIMENSIONS - SPDT

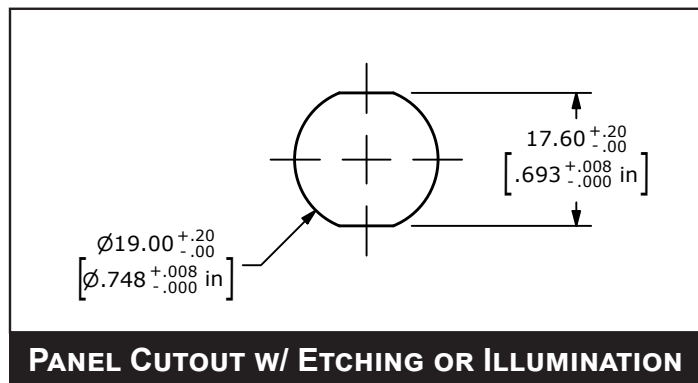
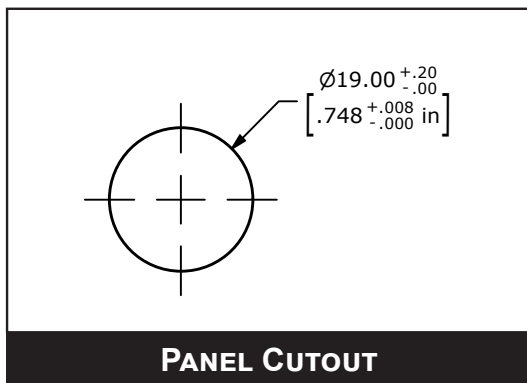


ORIENTATION
FEATURE ON
SWITCHES WITH
GRAPHICS OR
ILLUMINATED
POWER SYMBOL



SPDT SWITCH DIMENSIONS

GRAPHIC OPTIONS



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CAP OPTIONS

OPTIONS
 CAP
 TOGGLE
 SWITCHES
 TACTILE
 SNAP ACTION
 SLIDE
 SWITCHES
 ROTARY
 SWITCHES
 ROCKER
 SWITCHES
 PUSHBUTTON
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 SWITCHES
 ANTI-VANDAL
 SWITCHES

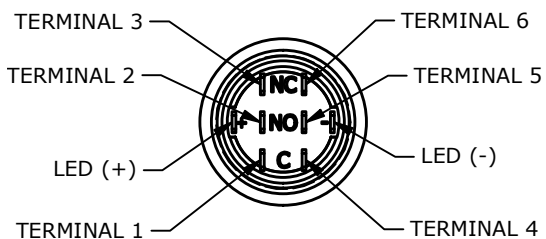
The image displays two mechanical drawings of the M19 x 1.0 THREADED connector. The left drawing is a front view, and the right drawing is a side view. Dimensions are provided in both inches and millimeters.

Front View (Left):

- Top flange diameter: 22.00 [.866 in]
- Top flange thickness: 2.00 [.079 in]
- Overall height: 33.30 [1.311 in]
- Bottom flange diameter: 5.50 [.217 in]
- Bottom flange thickness: .50 [.020 in]
- Pin spacing (center-to-center): 13.00 [.512 in]
- Pin diameter: 3.00 [1.181 in]
- Pin length: 6.00 [2.362 in]

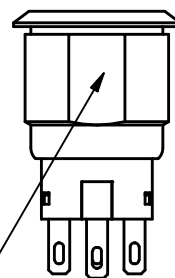
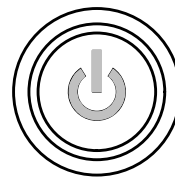
Side View (Right):

- Overall height: 25.50 [1.004 in]
- Top flange thickness: 32.70 [1.287 in]
- Bottom flange diameter: 6.00 [2.362 in]
- Bottom flange thickness: 5.00 [.197 in]
- Pin spacing (center-to-center): 10.00 [.394 in]
- Pin diameter: 4.00 [1.575 in]
- Pin length: 2.80 [.110 in]

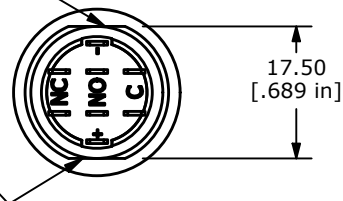


DPDT ILLUMINATED OPTION SHOWN.
THE LED (+) AND LED (-) TERMINALS ARE NOT
INCLUDED ON THE NON-ILLUMINATED OPTIONS

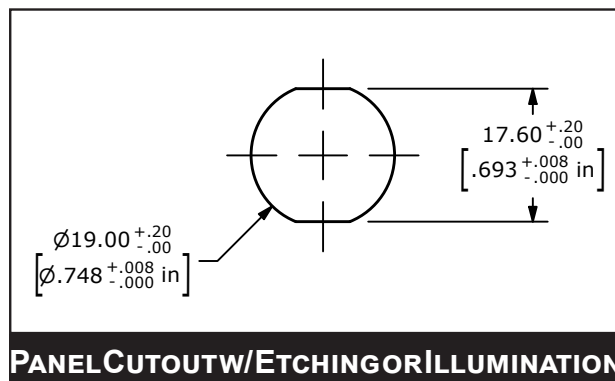
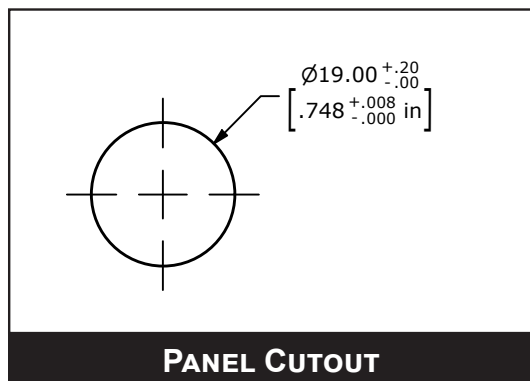
DPDT SWITCH DIMENSIONS



ORIENTATION
FEATURE ON
SWITCHES WITH
GRAPHICS OR
ILLUMINATED
POWER SYMBOL

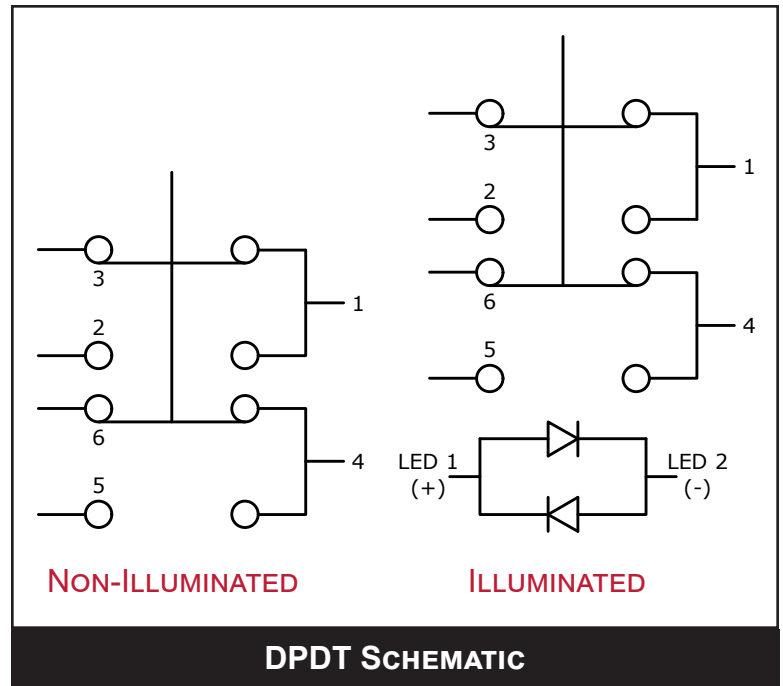
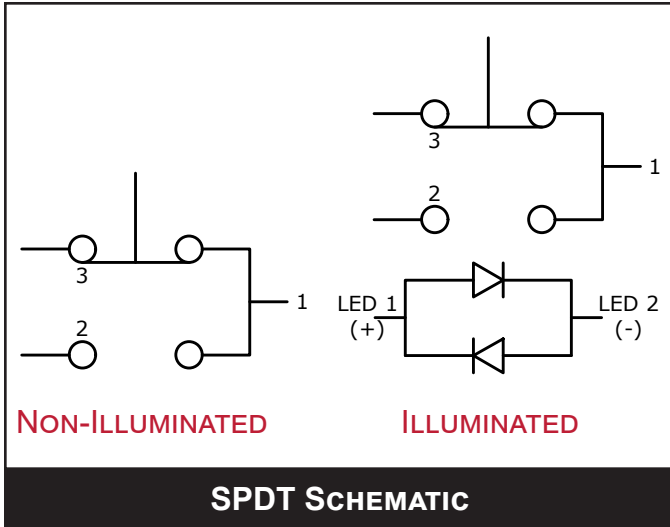


GRAPHIC OPTIONS

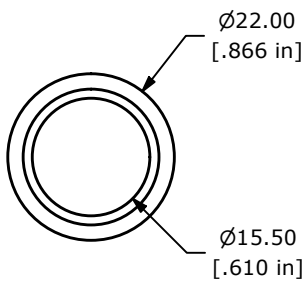


ULV4 SERIES ANTI-VANDAL SWITCH

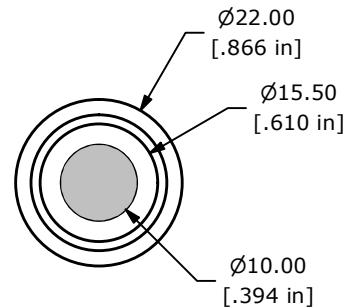
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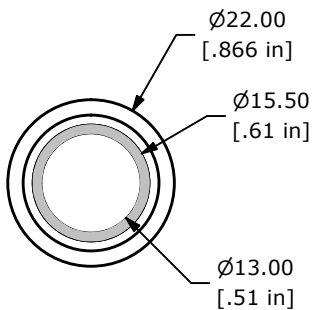
ACUATOR OPTIONS



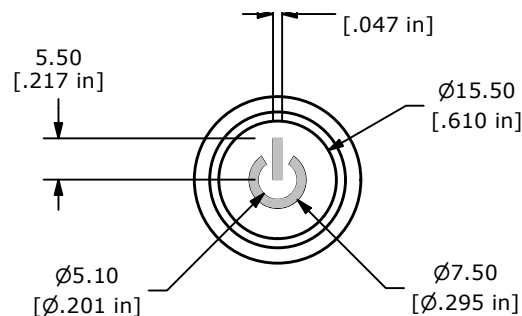
Non-ILLUMINATED



Dot ILLUMINATED



RING ILLUMINATED



POWER SYMBOL ILLUMINATED



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TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS

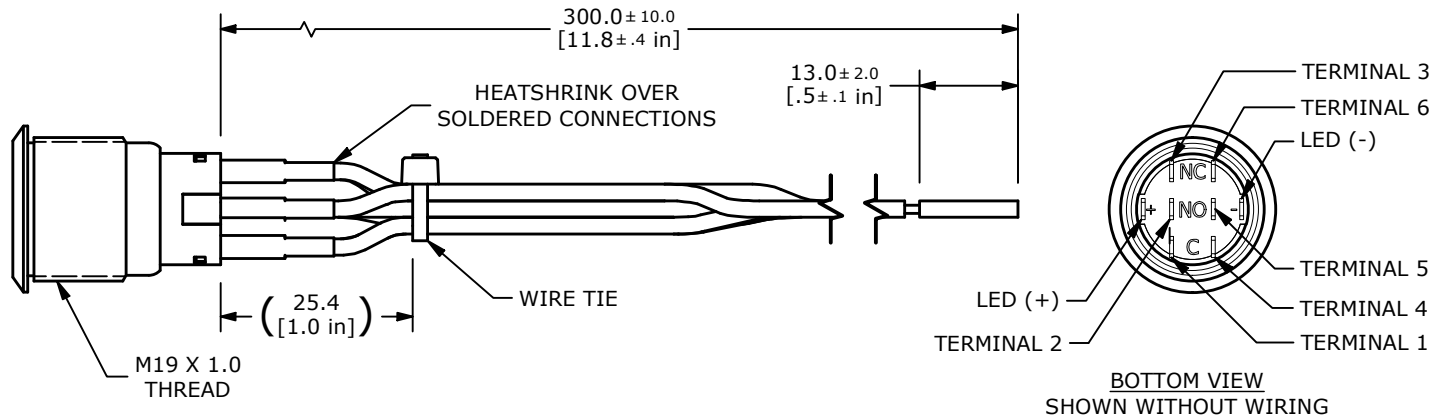
ULV4 SERIES ANTI-VANDAL SWITCH

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]

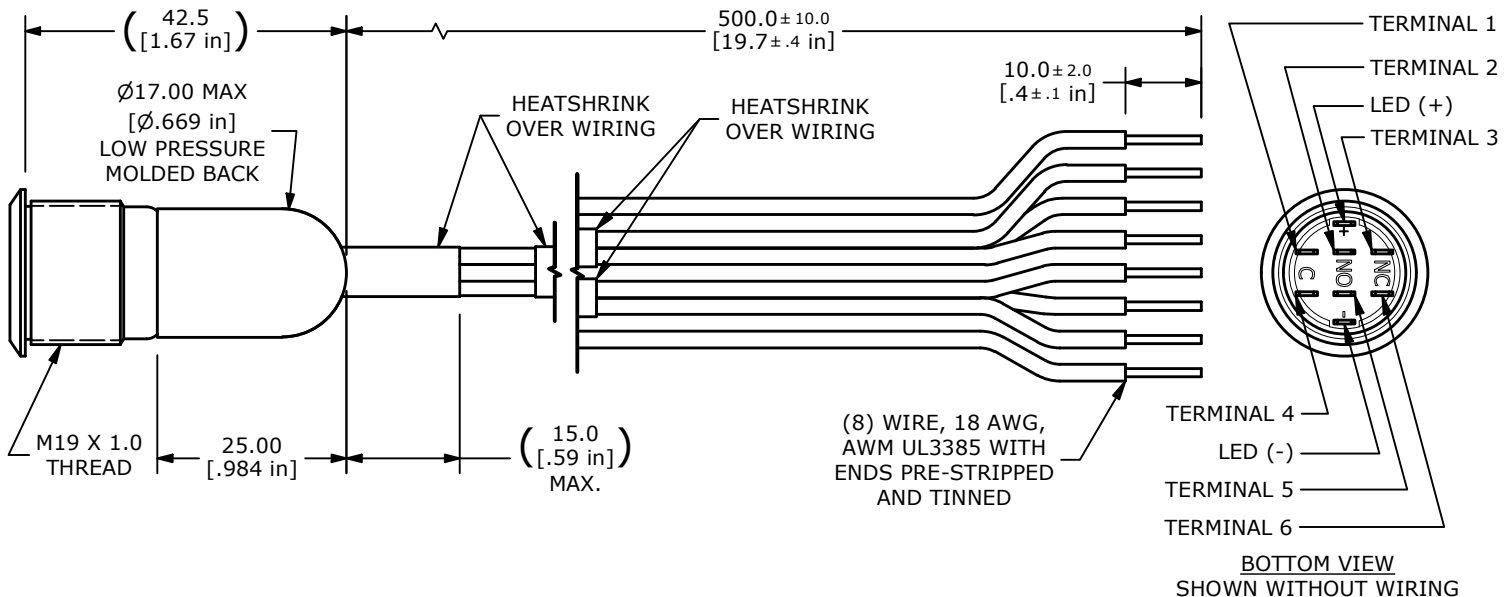
** WIRE LEADS PROVIDED ARE DEPENDENT ON THE FUNCTION SELECTED **



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 **



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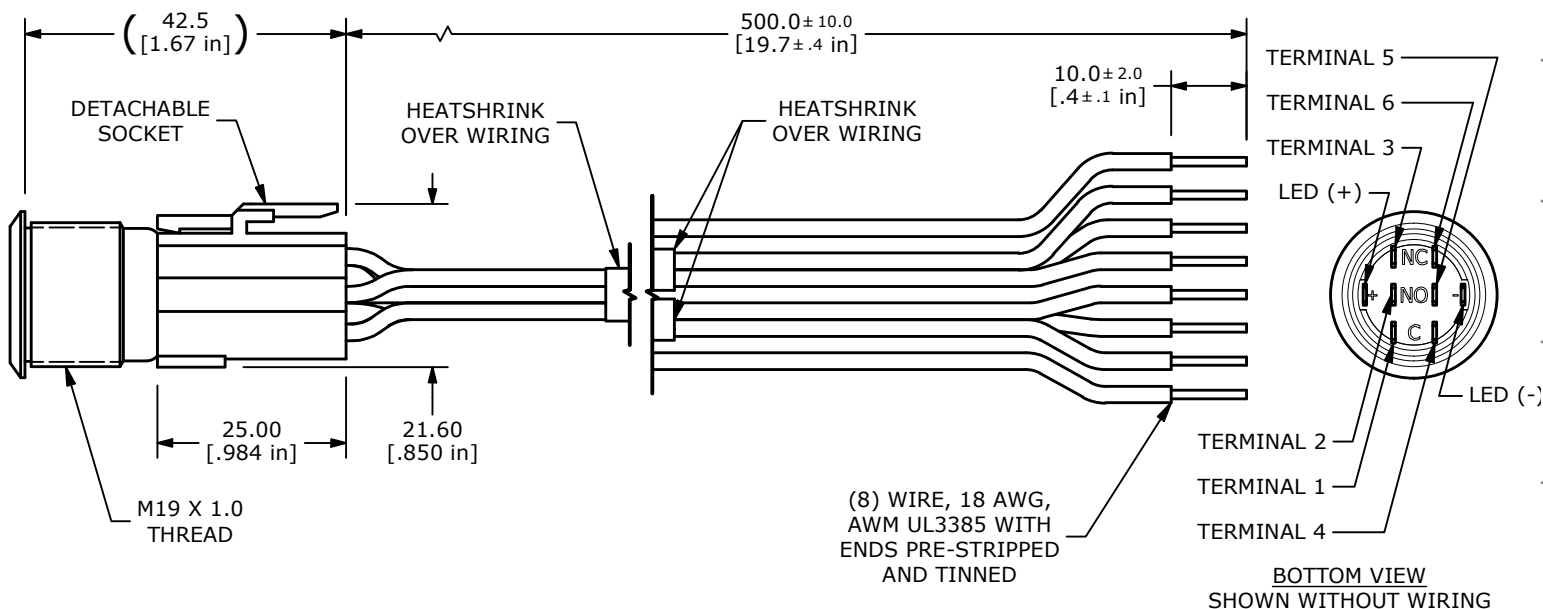
ULV4 SERIES ANTI-VANDAL SWITCH

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 **



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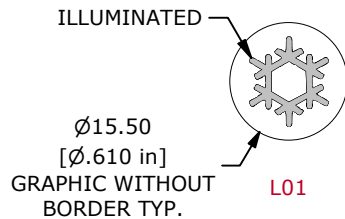
6

ANTI-VANDAL SWITCHES
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ROCKER SWITCHES
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SNAP ACTION SWITCHES
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TOGGLE SWITCHES
CAP OPTIONS

ULV4 SERIES ANTI-VANDAL SWITCH

GRAPHIC OPTIONS

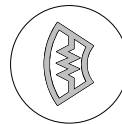
** REFER TO BODY DIMENSION PAGES 2 & 3 FOR GRAPHIC ORIENTATION **



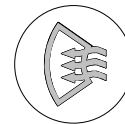
L01



L02



L03



L04



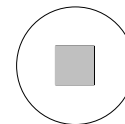
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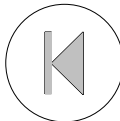
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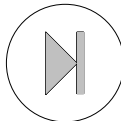
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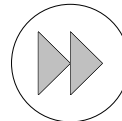
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L09



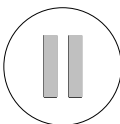
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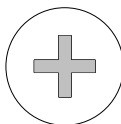
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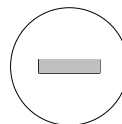
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L13



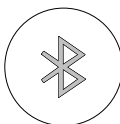
L14



L15



L16



L17



L18



L19



L20



L21



L22



L23



L24



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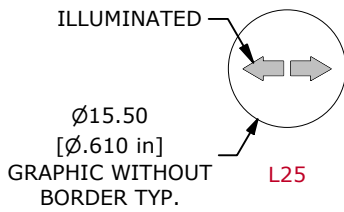
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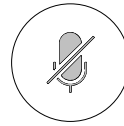
ULV4 SERIES ANTI-VANDAL SWITCH

GRAPHIC OPTIONS (CONT.)

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



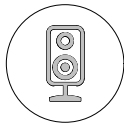
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L27



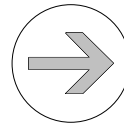
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L29



L30



L31



L32



L35



L36



L37



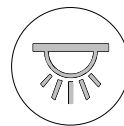
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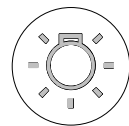
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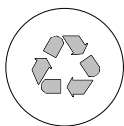
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L44



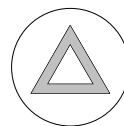
L45



L46



L47



L48

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