



**THE DATASHEET OF
PV9F2V0SS-311**

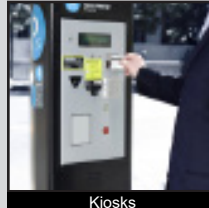


PV9 SERIES ANTI-VANDAL SWITCH

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



SPECIFICATIONS

Electrical Rating: 2A, 48VDC
Mechanical Life: 1,000,000 Cycles
Electrical Life: 50,000 Cycles
Contact Resistance: 50mΩ Max.
Insulation Resistance: 1000 MΩ Min. @ 500VDC
Dielectric Strength: 2,000VAC
Operating/Storage Temperature: -35°C to 85°C
Travel: 2.8mm
Moisture Protection: IP65
Contact Arrangement: DPST-NO/NC or 4PST-2NO/2NC
Actuation Force: 6.5N
Panel Thickness: 1-10mm for Momentary
 1-12mm for Latching
Hex Nut Torque: 0.6Nm

FEATURES & BENEFITS

- 28mm diameter panel cutout
- Dot or ring illumination options available
- Multiple switch functions available
- Multiple illumination voltage options
- IP65 rated
- DPST-NO/NC or 4PST-2NO/2NC
- Soldered wire leads (300mm long) optional

PART NUMBER CONFIGURATOR

Series	Actuator Options	Terminal Options	Function Options	Rating Options	Body Finish Options	Actuator Finish Options	Lens Style Options	LED Color Options	Illumination Voltage Options
<input type="text" value="PV9"/>	<input type="text" value="F - Flat"/>	<input type="text" value="2 - Solder
W - Wire Leads
300mm long"/>	<input type="text" value="Y -
1P Off-(On) +
1P On-(Off)
T -
1P Off-On +
1P On-Off
V -
2P Off-(On) +
2P On-(Off)
U -
2P Off-On,
2P On-Off"/>	<input type="text" value="0 - 2A,
48VDC"/>	<input type="text" value="S - Stainless
Steel
1 - Black
Anodized"/>	<input type="text" value="S - Stainless
Steel
1 - Black
Anodized"/>	<input type="text" value="NONE - Non-
Illuminated
2 - Dot
Illumination
3 - Ring
Illumination"/>	<input type="text" value="NONE- Non-
Illuminated
0 - White
1 - Red
2 - Orange
3 - Green
4 - Blue
5 - Yellow
F - Red/Orange
G - Red/Green
H - Red/Blue
J - Red/Yellow
K - Orange/Green
L - Orange/Blue
M - Orange/Yellow
N - Green/Blue
P - Green/Yellow
R - RGB"/>	<input type="text" value="NONE - Non-
Illuminated
1 - Base Voltage*
3 - 6V
4 - 12V
5 - 24V
6 - 125V
7 - 250V"/>
<p>NOTES: () denotes function is momentary *Base voltage for LED colors red, yellow, and orange is 1.8V @ 20mA †Base voltage for LED colors blue, green and white is 2.8V @ 20mA</p>									

Specifications subject to change without notice 8.25.2025



E-SWITCH®

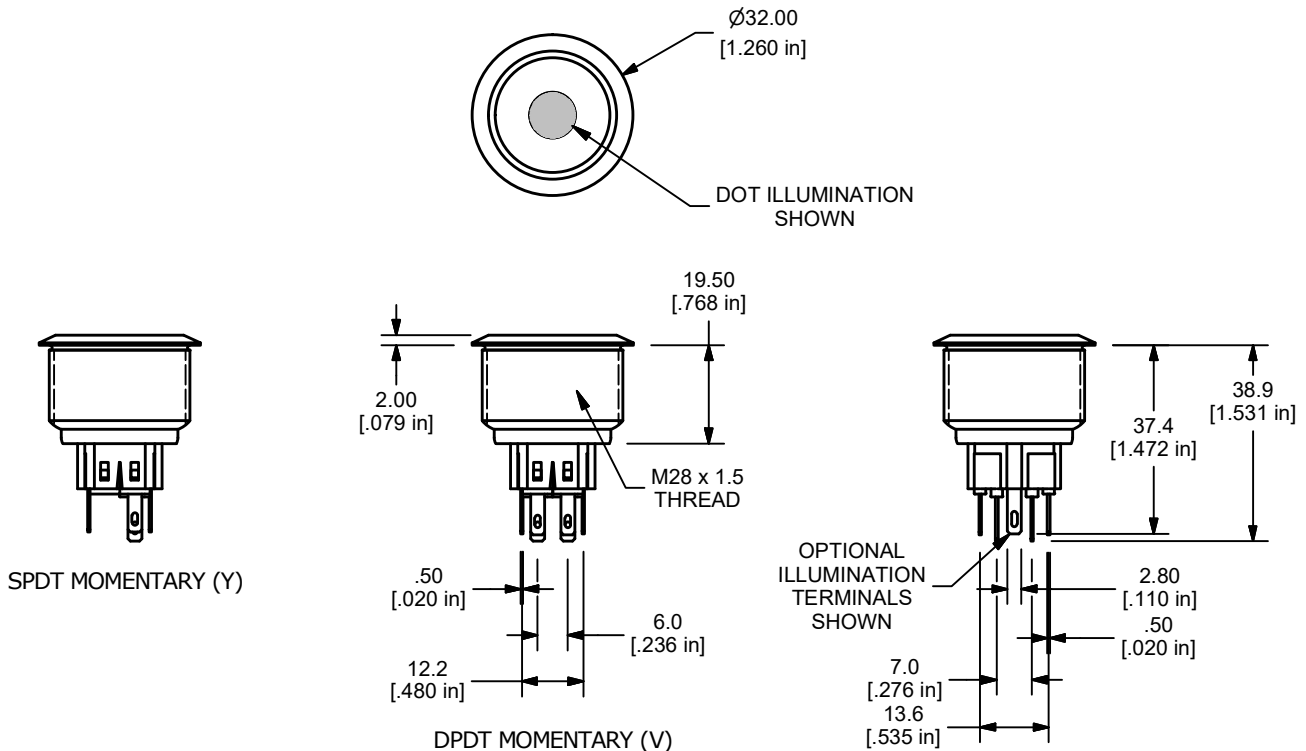
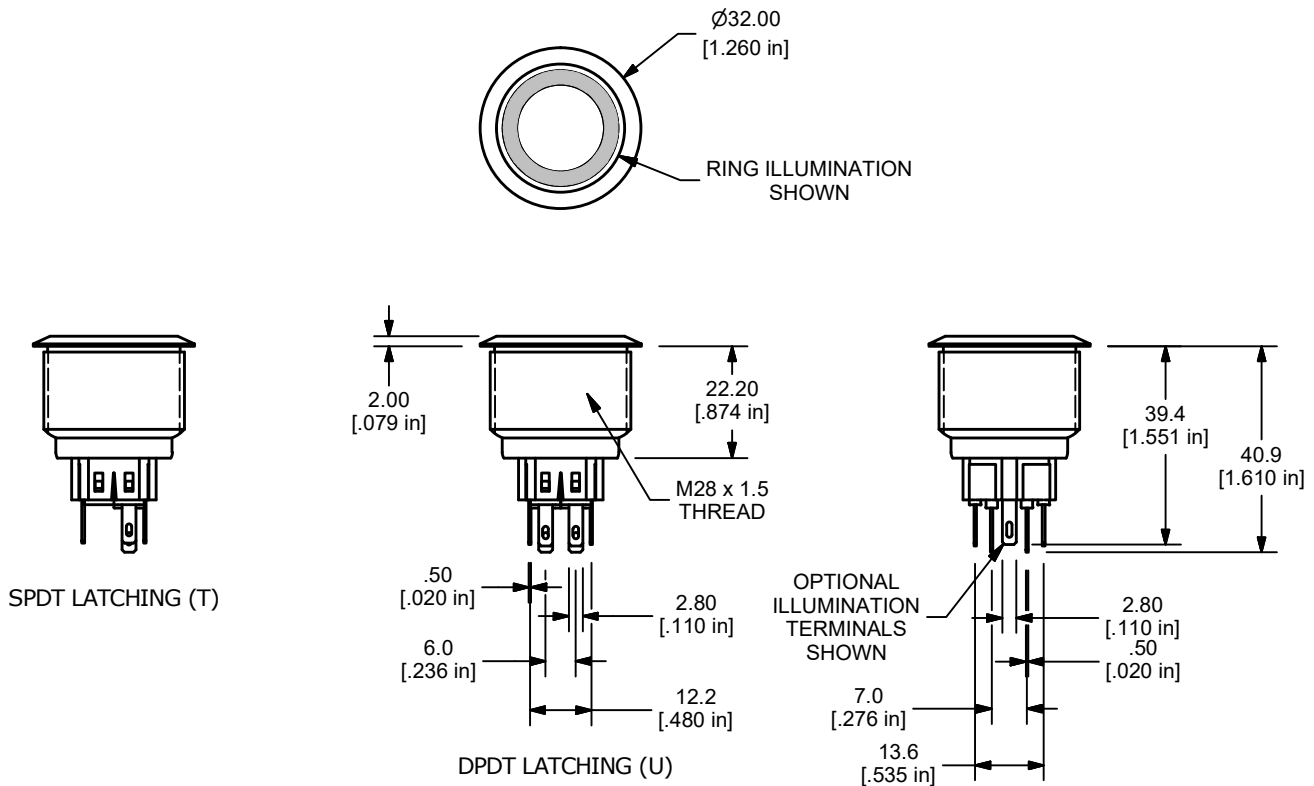
www.e-switch.com

800.867.2717

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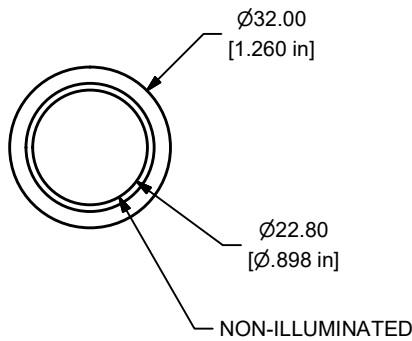
PV9 SERIES ANTI-VANDAL SWITCH

BODY DIMENSIONS

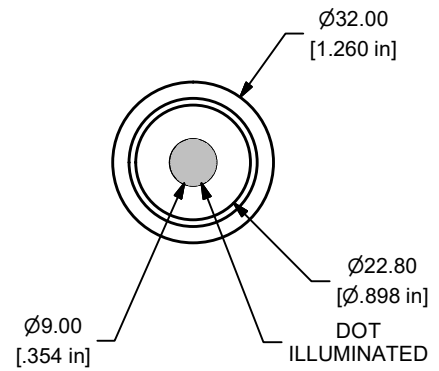


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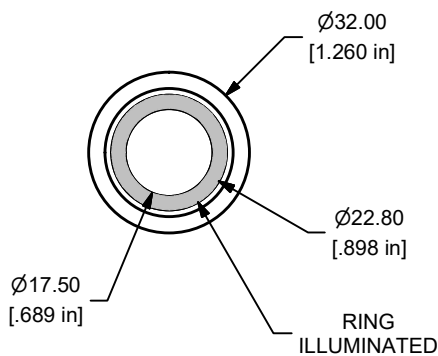
ACTUATOR OPTIONS



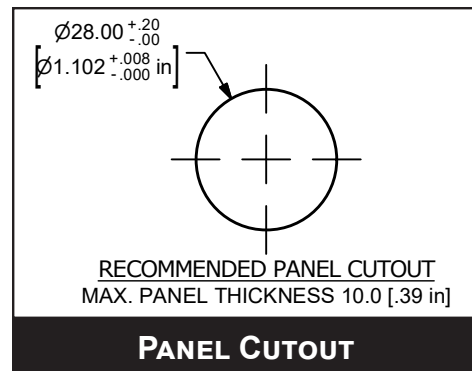
NON-ILLUMINATED



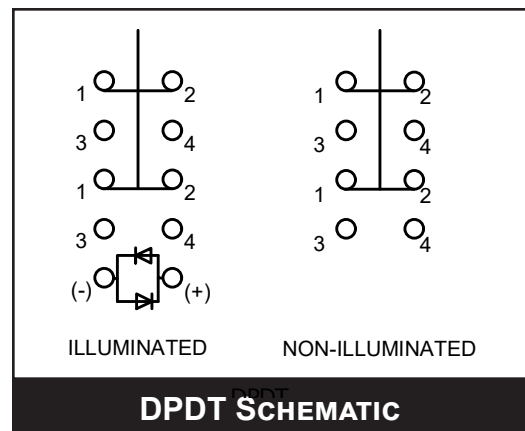
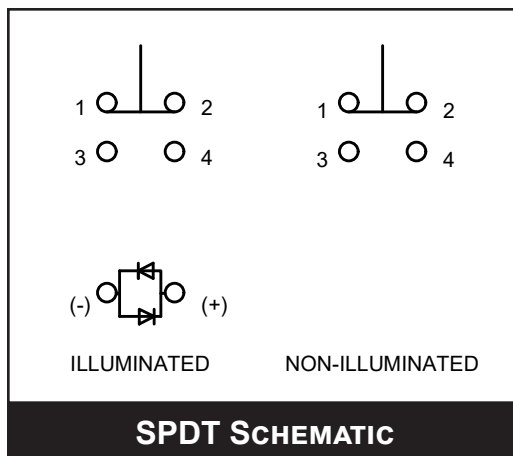
DOT ILLUMINATED



RING ILLUMINATED



SCHEMATICS

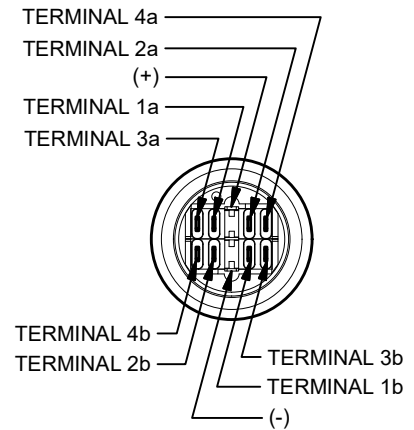
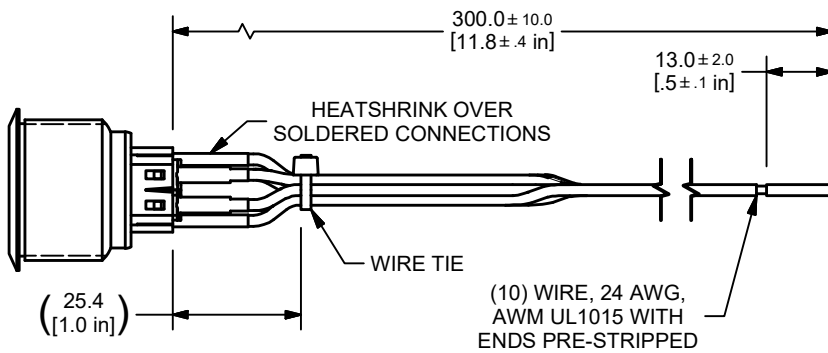


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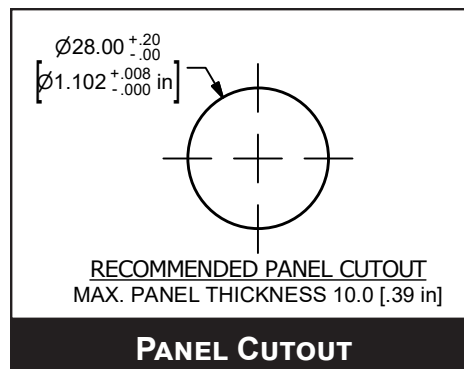
STANDARD LED WIRE LEAD

SWITCH	WIRE	LENGTH
SW1-1a	WIRE, 24AWG AWM UL1015, WHITE	300.0 [11.8 in]
SW1-2a	WIRE, 24AWG AWM UL1015, WHITE	300.0 [11.8 in]
SW1-3a	WIRE, 24AWG AWM UL1015, BLUE	300.0 [11.8 in]
SW1-4a	WIRE, 24AWG AWM UL1015, BLUE	300.0 [11.8 in]
SW1-1b	WIRE, 24AWG AWM UL1015, WHITE	300.0 [11.8 in]
SW1-2b	WIRE, 24AWG AWM UL1015, WHITE	300.0 [11.8 in]
SW1-3b	WIRE, 24AWG AWM UL1015, BLUE	300.0 [11.8 in]
SW1-4b	WIRE, 24AWG AWM UL1015, BLUE	300.0 [11.8 in]
SW1- (+)	WIRE, 24AWG AWM UL1015, RED	300.0 [11.8 in]
SW1- (-)	WIRE, 24AWG AWM UL1015, BLACK	300.0 [11.8 in]

** WIRE LEADS PROVIDED ARE DEPENDANT ON THE FUNCTION AND/OR ILLUMINATION SELECTED **



**BOTTOM VIEW
SHOWN WITHOUT
WIRING**



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 [E-SWITCH](#) Information

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-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management