

## Distinctive Characteristics

Various cap styles and colors to meet differing application needs.

Bright, full-face illumination to distinctively indicate status.

Rear panel threaded mounting or snap-in mounter for front panel mounting.

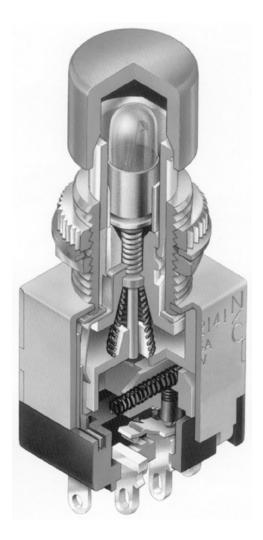
5-amp power rating standard. Dry circuit capability available.

Detent switching mechanism provides positive indication of actuation.

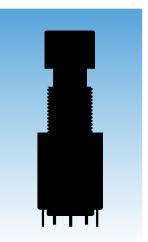
Heavy gauge steel case protects switch components and increases durability.

1,500V dielectric strength between contacts and case is accomplished by clinching the frame away from the terminals.

Solder lug and PC terminals staked into base.









# General Specifications

#### **Electrical Capacity (Resistive Load)**

Power Level (silver):5A @ 125V AC & 3A @ 250V AC or 3A @ 30V DCLogic or Power Level (gold over silver):0.4VA maximum @ 28V AC/DC maximum or 5A @ 125V AC(Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)Note: See Supplement section to find explanation of dual rating & operating range.

#### **Other Ratings**

n)

#### **Materials & Finishes**

Plunger:	Polyacetal resin
Bushing:	Brass with nickel plating
Housing:	Steel with chromate over zinc
Movable Contact:	Silver
Stationary Contacts:	Silver with silver plating or silver with gold plating
Base:	Phenolic resin
<b>Common Terminals:</b>	Copper with silver plating
End Terminals:	Copper with silver plating or copper with gold plating
Lamp Terminals:	Brass with nickel plating

#### **Environmental Data**

Operating Temperature Range:	–10°C through +50°C (+14°F through +122°F) for spot illuminated
	–20°C through +50°C (–4°F through +122°F) for other illuminated
	–10°C through +50°C (+14°F through +122°F) for nonilluminated
Humidity:	90 ~ 95% humidity for 96 hours @ 40°C (104°F)
Vibration:	10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range
	& returning in 1 minute; 3 right angled directions for 2 hours
Shock:	50G (490m/s <sup>2</sup> ) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)

#### Installation

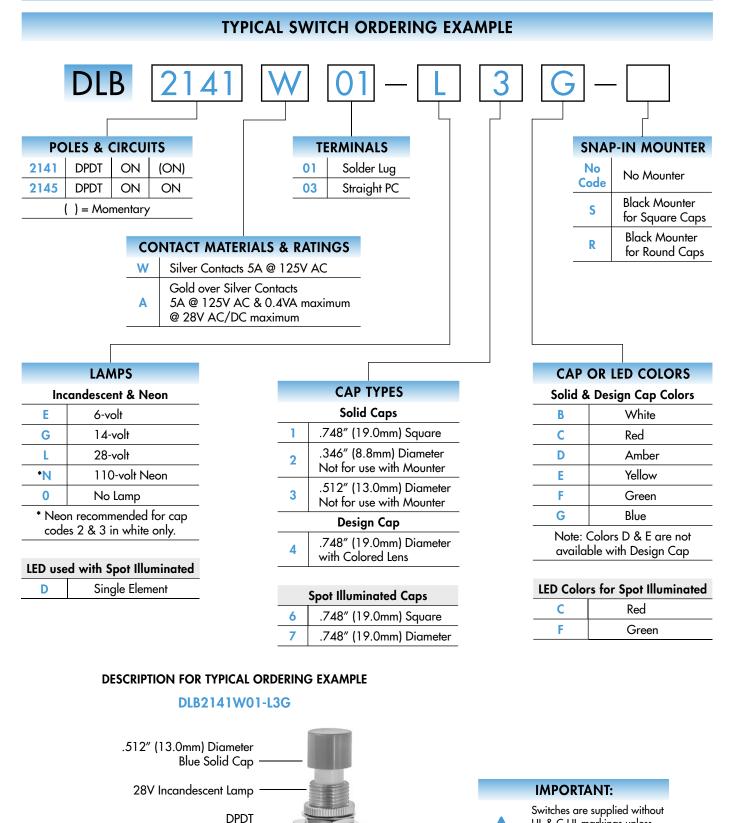
Cap Installation Force:19.62N (4.41 lbf) maximum downward force on capSoldering Time & Temperature:4 seconds maximum @ 410°C maximum

#### Standards & Certifications



All models recognized at 5A @ 125V AC; UL File No. WOYR2.E44145 & C-UL File No. WOYR8.E44145; add "/U" to end of part number to order UL mark on switch & add "/UC" to end of part number to order C-UL mark on switch (equivalent to CSA certification).





ON-(ON) Circuit

5A Rating

Silver Contacts with

Solder Lug Terminals



	POLES & CIRCUITS									
	Plunger Position ( ) = MomentaryConnected Terminals			Connected	Throw & Power/Lamp Schematics					
Pole	Model	Normal	Down	Normal	Down	Notes: Terminal numbers are not actually on the switch. Lamp circuit is isolated and requires an external power source.				
DP	DLB2141 DLB2145	ON ON	(ON) ON	2-3 5-6	2-1 5-4	DPDT $2 (COM)$ 5 $1 6 \bullet 4$ $L(+) \bullet - \bullet (-) L$				

### **CONTACT MATERIALS & RATINGS**



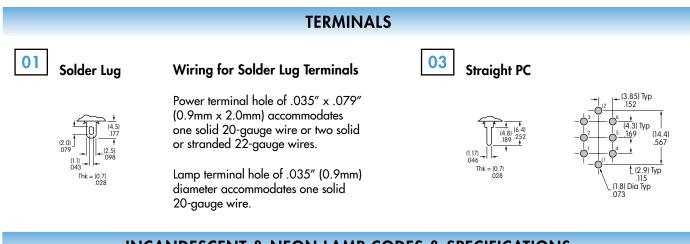
Gold over Silver

Power Level

Power Level or Logic Level 5A @ 125V AC or 0.4VA maximum @ 28V AC/DC maximum

3A @ 125V AC & 250V AC

Note: This dual rated option is suitable when two or more identical switches are used in logic and in power circuits within the same application. See Supplement Index for complete explanation of dual rating and operating range.



## **INCANDESCENT & NEON LAMP CODES & SPECIFICATIONS**

Electrical specifications are determined at a basic temperature of 25°C. Lamp circuit is independent of switch operation. Incandescent & Neon lamps can be used with solid & design caps.

AT604 & AT604N	AT604 Incandescent 6-, 14-, or 28-volt; AT604N Neon 110-volt	Ε	G	L	* <mark>N</mark>	* Recommended
	Voltage V	6V AC	14V AC	28V AC	110V AC	Resistors: 33K
	Current I	200mA	80mA	40mA	1.5mA	ohms for 110V AC; 100K ohms
	Endurance Average Hours	1,000	750	1,000	10,000	for 220V AC
T-1¾ Midget Groove Base	Ambient Temperature Range					

No Lamp

0

Code 0 indicates that no lamp is used with the solid or design caps.