



Small-size, high-performance contact with cam-operated switch structure The 4-element high-brightness LED The connector can enables 2-color illumination. connect wires of up to 2 mm². The back terminal structure enables high-density mounting. With a built-in limit resistor, The face size is approx. the LED can be directly turned 30 mm square. on with a 110 V DC power supply

 * Approx. 50% size reduction from conventional models (our BHL type)

SPECIFICATIONS (RATINGS, PERFORMANCE)

Type Specification	UL TYPE				
Rated insulation voltage (Ui)	250V AC / DC				
Rated current-carring capacity (Ith)	1A				
Instantaneous operating current	20 A / second				
Max. wire size	0.5 to 2.0 mm ²				
Withstand voltage	Between live parts and ground	2,000 V AC for one minute	Between individual live parts	1,000 V AC for one minute	
Rated impulse withstand voltage	Between live parts and ground	$\pm7,000$ V, 3 times for each pole (1.2 / 50 $\mu s)$	Between individual live parts	$\pm 3{,}000$ V, 3 times for each pole (1.2 / 50 $\mu s)$	
Contact resistance (Initial)	50mΩ max.				
Mechanical life	100,000 operations or more (1200 operations / hour)				
Electrical life	100,000 operations or more (0.5 A / 110 V DC, L/R = 40 ms)				
Shock resistance	500m/s² or more				
Vibration resistance	20 m/s² (10 to 150 Hz)				
Min. applicable load	24 V, 10 mA (in suitable operating environments)				
Operating temperature	-25 to 50°C				
Storing temperature	-40 to 70°C				
Altitude	2,000 m max.				

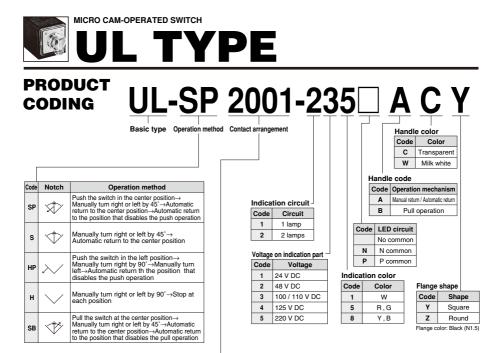
Breaking performance

		Resistance load		Inductive load	
		10,000 operations	100,000 operations	10,000 operations	100,000 operations
AC	110 V AC	10A	5 A	10A	3A
	220 V AC	7A	3 A	5 A	2 A
DC -	5 V DC	10A	10A	10A	7 A
	12 V DC	10A	6 A	10A	4 A
	24 V DC	10A	3 A	10A	2 A
	48 V DC	10A	2 A	7 A	1 A
	110 V DC	7A	0.7 A	5 A	0.5 A
	125 V DC	5 A	0.5 A	4 A	0.3 A

* Inductive load AC: power factor 0.6 to 0.7 DC: Time constant 40 ±6 ms

\triangle Precautions on use

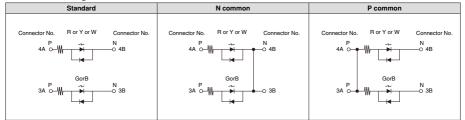
The breaking current values listed above indicate performance values of the micro cam-operated switch. To operate the micro cam-operated switch, make sure that the rated operating current and instantaneous operation current do not exceed 1 A and 20 A / second respectively.



Contact arrangement diagram

Code	2001	2002	2003	2004	2005
Contact arrangement	6A 6B 5A 5B 2A 2B 1A 1B				
Code	2006				
Contact arrangement	6A 6B 5A 5B 2A 2B 1A 1B				

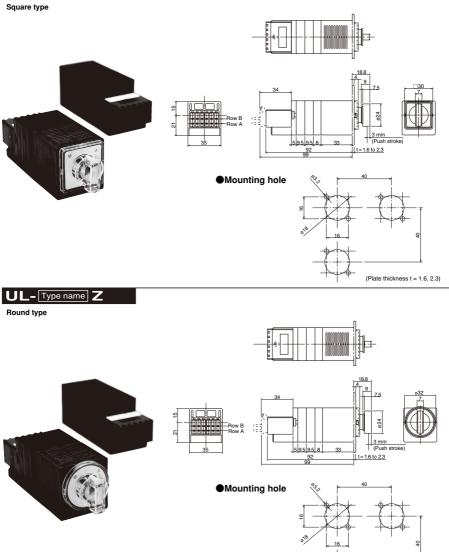
LED circuit diagram



STANDARD PRODUCTS

Y

UL_ Type name



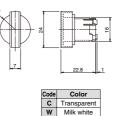
(Plate thickness t = 1.6, 2.3)



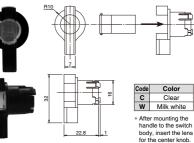
Handle

OL-A-Color





●UL-B-Color (for pull-operation only)

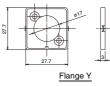


Nameplate

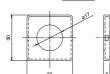
OUL-Y (Square type)

Flange set





Supplied screws: M8 x 3 pan head screw (2 screws) (included in the product)

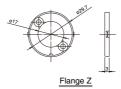


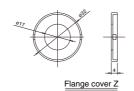
Flange cover Y

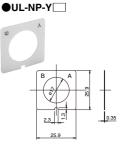
OUL-Z (Round type)



Supplied screws: M8 x 3 pan head screw (2 screws) (included in the product)

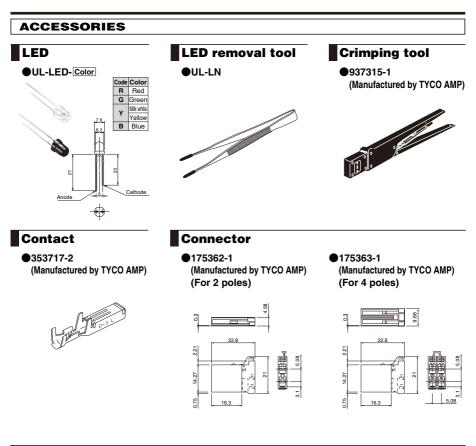






●UL-NP-Z



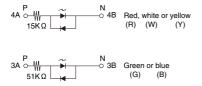


TECHNICAL REFERENCE

About LED replacement

To replace the built-in LED, use an LED of the same color as the original.

If the LED color is changed, the built-in resistance is also changed. To change the LED color, contact us or refer to the following circuit diagram.



The LED is extremely vulnerable to static electricity. When handling the LED, be careful not to touch the lead wire directly with your hand, and do not apply voltage directly to the LED.