

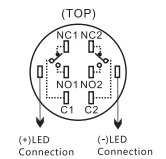
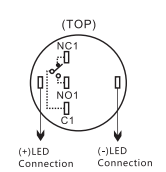
Illustration	Lens Colour	Lamp Voltage	Possible Contact Configuration	Part Number	Contact Diagram
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Rectangle Pushbutton

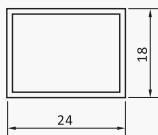
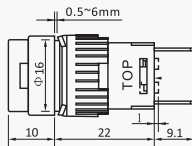
Momentary/Spring Return



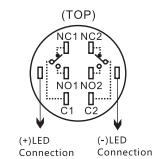
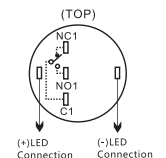
Red		1CO	1NO	1NC		90P1-LAS1-AJ-11/R/P/GT
Green		1CO	1NO	1NC		90P1-LAS1-AJ-11/G/P/GT
Yellow		1CO	1NO	1NC		90P1-LAS1-AJ-11/Y/P/GT
Blue		1CO	1NO	1NC		90P1-LAS1-AJ-11/B/P/GT
White		1CO	1NO	1NC		90P1-LAS1-AJ-11/W/P/GT
Black		1CO	1NO	1NC		90P1-LAS1-AJ-11/N/P/GT
Red		2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22/R/P/GT
Green		2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22/G/P/GT
Yellow		2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22/Y/P/GT
Blue		2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22/B/P/GT
White		2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22/W/P/GT
Black		2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22/N/P/GT



Maintained/Latching



Red		1CO	1NO	1NC		90P1-LAS1-AJ-11Z/R/P/GT
Green		1CO	1NO	1NC		90P1-LAS1-AJ-11Z/G/P/GT
Yellow		1CO	1NO	1NC		90P1-LAS1-AJ-11Z/Y/P/GT
Blue		1CO	1NO	1NC		90P1-LAS1-AJ-11Z/B/P/GT
White		1CO	1NO	1NC		90P1-LAS1-AJ-11Z/W/P/GT
Black		1CO	1NO	1NC		90P1-LAS1-AJ-11Z/N/P/GT
Red		2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22Z/R/P/GT
Green		2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22Z/G/P/GT
Yellow		2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22Z/Y/P/GT
Blue		2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22Z/B/P/GT
White		2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22Z/W/P/GT
Black		2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22Z/N/P/GT

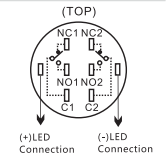
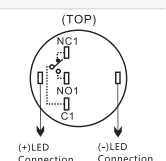


Rectangle Illuminated Pushbutton

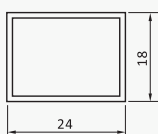
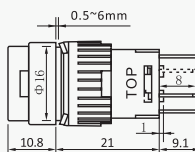
Momentary/Spring Return



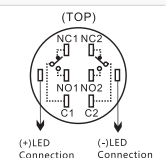
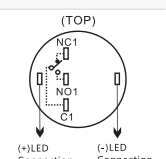
Red	24V	1CO	1NO	1NC		90P1-LAS1-AJ-11/R/024/P/GT
Green	24V	1CO	1NO	1NC		90P1-LAS1-AJ-11/G/024/P/GT
Yellow	24V	1CO	1NO	1NC		90P1-LAS1-AJ-11/Y/024/P/GT
Blue	24V	1CO	1NO	1NC		90P1-LAS1-AJ-11/B/024/P/GT
White	24V	1CO	1NO	1NC		90P1-LAS1-AJ-11/W/024/P/GT
Red	24V	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22/R/024/P/GT
Green	24V	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22/G/024/P/GT
Yellow	24V	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22/Y/024/P/GT
Blue	24V	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22/B/024/P/GT
White	24V	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22/W/024/P/GT



Maintained/Latching



Red	24V	1CO	1NO	1NC		90P1-LAS1-AJ-11Z/R/024/P/GT
Green	24V	1CO	1NO	1NC		90P1-LAS1-AJ-11Z/G/024/P/GT
Yellow	24V	1CO	1NO	1NC		90P1-LAS1-AJ-11Z/Y/024/P/GT
Blue	24V	1CO	1NO	1NC		90P1-LAS1-AJ-11Z/B/024/P/GT
White	24V	1CO	1NO	1NC		90P1-LAS1-AJ-11Z/W/024/P/GT
Red	24V	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22Z/R/024/P/GT
Green	24V	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22Z/G/024/P/GT
Yellow	24V	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22Z/Y/024/P/GT
Blue	24V	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22Z/B/024/P/GT
White	24V	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AJ-22Z/W/024/P/GT



TECHNICAL INFORMATION:

Product Description:

+ Specification:

The bezel of the products is available in 3 shapes: **Round** (Ø18mm), **Square** (18 x 18mm), **Rectangle** (18 x 24mm).

Including the Pilot Lights, Pushbuttons, Illuminated Pushbuttons, Selector Switches, Key Switches, Emergency Stops and Buzzers.

The **mounting cut-out is Ø16mm**, some products can be equipped with an adaptor ring to install the product in the **Ø22mm mounting cut-out**.

+ Data:

The product has the characteristics of stable performance, low contact resistance, strong insulation, resistance to vibration and shock, etc.; meets IEC60947-5-1, GB14048.5 and other standards.

+ Construction:

Snap-Action switching element. Each switching element contains a normally Open and a normally Close.

Each button can be configured with a maximum of 2 switching elements. Gold plated terminal gives protection against corrosion in harsh environment.

+ Protection Rating

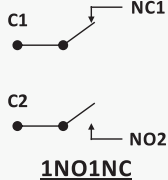
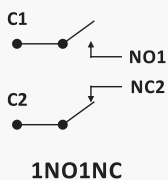
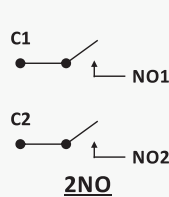
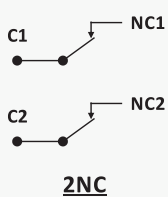
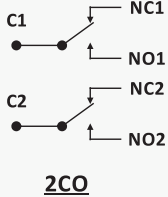
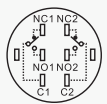
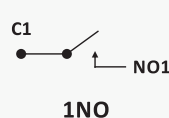
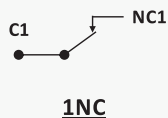
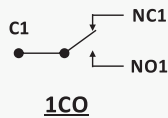
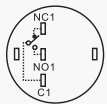
Products have **IP65**. By adding **S09 Sealing Cover**, the protection can be extended to **IP67**.

* except Buzzer which is IP40.

Rated Insulation Voltage		250V			
Thermal Current Ith		5A temperature do not exceed the highest rated allowed current			
Rated Operating Voltage		12V	24V	110V	220V
Rated Operating Current	Frequency				
	50/60 Hz	Resistive Load	-	1A	0.5A
		Inductive Load	-	0.7A	0.5A
	DC	Resistive Load	1A	0.2A	-
		Inductive Load	0.7A	0.1A	-
Contact Material		Silver Alloy			

Bulb Type	Dual Direction LED		
Rated Voltage	AC/DC 6V	AC/DC 12V	AC/DC 24V
	AC/DC 110V		AC/DC 220V
Illumination Colors	R G Y O B W		
Lifespan	approx. 40,000 hours		

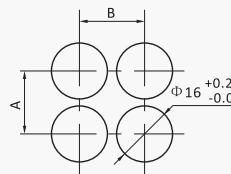
+ Possible Contact Configuration:



+ Specification Features:

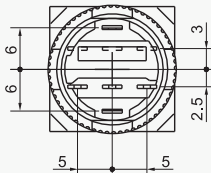
Operation Environment			(-)25°C ~ (+) 55°C [no freezing] Contact Body surroundings must have airflow
Environment			45-85% RH (no condensation)
Contact Resistance			≤ 50mΩ
Insulation Resistance			≥ 100MΩ
Overvoltage	Between the Contact Terminals & Lamp		2000 V, 50 Hz AC, 1 Minute
	Between the Same Terminal		1500 V, 50 Hz, 1 Minute
	Between the Different Terminal		2000 V, 50 Hz, 1 Minute
Vibration Assistance			50 Hz, Amplitude Approx 1.2mm
Shock Assistance			Until 10g
Lifespan	Mechanics	Momentary	1,000,000
		Latching, Selector	500,000
		Key, Emergency	200,000
	Electrical		50,000 and above
Wire Connection			Soldering Diameter: 2 x 0.08mm Largest copper wire area: 0.75mm ² Faston Terminals: 2.8 x 0.5
Solder Heat Resistance			320°C (or 30 watt soldering iron) not more than 2 sec
Travel			Pushbutton Approx. 3mm travel
Operating Force			(On Lens Cap) According to no. of contacts 1 ~4 Newton (100gf ~400gf)

+ Cut-out Dimensions:

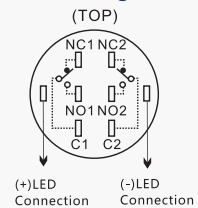


Type	A	B
Circle	≥ 18mm	≥ 18mm
Sqaure	≥ 18mm	≥ 18mm
Rectangle	≥ 18mm	≥ 24mm
Mushroom	≥ 24mm	≥ 24mm

+ Bottom View:



+ Terminal configuration:





S01
Switch Guard
for Round & Square Pushbutton



S02
Switch Guard
for Rectangle Pushbutton



S09-AY
Seal Cover
for Round Pushbutton
& Pilot Light



S09-AJ
Seal Cover
for Rectangle Pushbutton
& Pilot Light



S10
Emergency Stop Label



S11
Lamp Holder Tool



S13
Corner Removal Tool



S15
Diameter Changing Circle
from Ø16mm to Ø22mm



S16
Pushbutton & Pilot Light Label



S19
Label Frame for Control Units

★ UV Printing Service on Nameplates/Labels

- Symbol and Text can be customized according to your requirements.
- The symbol and text are also applicable to Square and Rectangle nameplates/labels.



★ Customized Engraving/UV Printing Service

- Plastic Materials: Ply, Acrylic, Traffolyte & etc.
- Metal Materials: Aluminium, Stainless Steel, Copper, Brass & etc.
- Text, Dimension and Cut-out hole can be customized according to your requirements.

