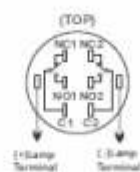


Illustration	Lens Colour	Lamp Voltage	Possible Contact Configuration			Part Number	Contact Diagram
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Red Mushroom Head Pushbutton

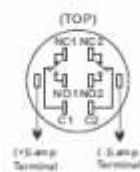
Momentary/Spring Return

● Red	-	1CO	1NO	1NC	-	90P1-LAS1-AM11/R/P/GT
● Red	-	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AM22/R/P/GT



Push-in Turn to Reset

● Red	-	1CO	1NO	1NC	-	90P1-LAS1-AY-11TSB/R/P/GT
● Red	-	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AY-22TSB/R/P/GT



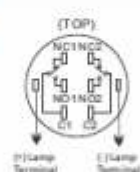
Red Mushroom Illuminated Pushbutton

Momentary/Spring Return

● Red	24V	1CO	1NO	1NC	-	90P1-LAS1-AM-11/R/24V/P/GT
● Red	24V	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AM-22/R/24V/P/GT

Maintained/Latching

● Red	24V	1CO	1NO	1NC	-	90P1-LAS1-AM-11Z/R/P/GT
● Red	24V	2CO	2NO	2NC	1NO 1NC	90P1-LAS1-AM-22Z/R/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.

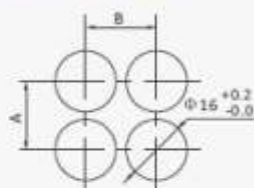
+ Specification Features:

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 (On Lens Cap) According to no. of contacts		
Operating Force	1~4 Newton (100gf~400gf)		

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	1A	0.2A	-
		Inductive Load	0.7A	0.7A	0.1A	-
Contact Material		Silver Alloy				

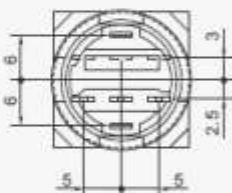
Bulb Type	Dual Direction LED		
Rated Voltage	AC/DC 6V	AC/DC 12V	AC/DC 24V
	AC/DC 110V	AC/DC 220V	
Illumination Colors	R G Y O B W		
Ufespan	approx. 40,000 hours		

+ Cut-out Dimensions:

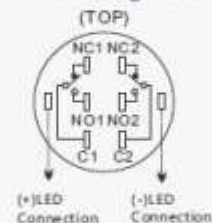


Type	A	B
Circle	≥ 18mm	≥ 18mm
Sqaure	≥ 18mm	≥ 18mm
Rectangle	≥ 18mm	≥ 24mm
Mushroom	≥ 24mm	≥ 24mm

+ Bottom View:



+ Terminal configuration:



+ Possible Contact Configuration:

