

LAY3(-A) Series Pushbutton Switches

Product Overview

LAY3 series contains pilot lamp, pushbutton, illuminated pushbutton, mushroom push button, emergency push button, selector switch, key-lock switch and the main body uses Using high quality inflaming retarding materials..

The switch unit is slow-break, It uses modular combination mode and you can combine from one to eight switch units optional.

LAY3-A series with quick-break structure is improved type of LAY3 series. This series which has superior property is more reliable to operate and has longer life. It is our patent type.

Switch Ratings

Rated Insulation Voltage	Ui: 660V				
Thermal Current	Ith: 10A				
Rated Voltage	24V	110V	220V	380V	500V
Direct Current	10A	2.2A	1.1A		
Alternating Current P.F=0.7		10A	6A	4A	2A

Lamp Ratings

Lamp Type	LED Lamp					Equivalent Circuit
Rated Voltage	AC/DC 6V	AC/DC 12V	AC/DC 110V	AC/DC 220V	AC/DC 380V	
	AC/DC 24V		AC 110V	AC 220V	AC 380V	
Rated Current	\$ 20mA					
Lamp Life	40,000 hours					
Lamp Color	R G Y O B W					

AC/DC:
(resistor step-down)

a

R

b

AC:
(capacitor step-down)

a

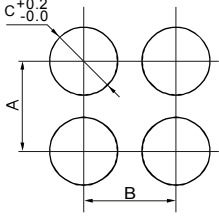
C

R

Note: 1. LAY3 series using direct LED lamp and LAY3-A using power box: The lamp contains current-limiting resistor inside and doesn't need connect outside..
2. The standard is using AC/DC LED lamp, DC LED lamp, dual-color LED lamp and other voltages can be customized.

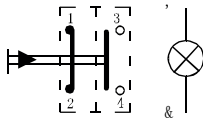
Installation Dimensions

Panel thickness is 0.5~5mm



Type	A	B	C	Remarks
Normal, Key-lock	50mm	40mm	! 22.5 or ! 25.5	1. Unit:mm 2. Can be used in 25mm installation hole with a diameter changing circle. 3. A and B are both the minimum dimensions.
Lever	55mm	40mm		
Mushroom	50mm	50mm		
Big Mushroom	70mm	70mm		

Circuit Diagram



Switch code: 11
1, 2 are normal closed;
3, 4 are normal opened;
NO and NC can be freely combined.

Implication of Type

LAY3 LAY3-A	-	!	/	" #	/	\$	/	%
Code of series LAY3 is slow-break structure; LAY3-A is quick-break structure.	Contact Structure: 11 1NO1NC 22 2NO2NC 33 3NO3NC 44 4NO4NC You can choose combination modes according to your needs.	Operating type: D pilot lamp G long head type X selector type XB lever type Y key-lock type M mushroom type TS emergency type No letter means momentary	(expresses selector and key-lock operating position: 2 two position 3 three position) expresses operating type: 1 maintain 2 half return 3 self return	Color: R red G green Y yellow O orange B blue W white N black	Lamp Voltage (Please check the lamp rating)			

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LAY3(-A) Series
Pushbutton Switches

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Product Outline

Note: The * in part number is the code of contact structure: contact structure for one switch unit is 10:1NO, 01:1NC.
11:1NO-1NC, 20:2NO, 02:2NC; you can connect four switch units at most

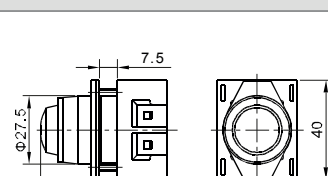
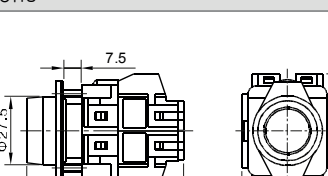
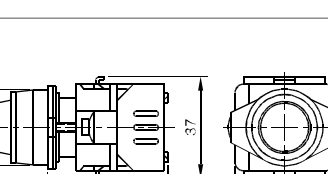
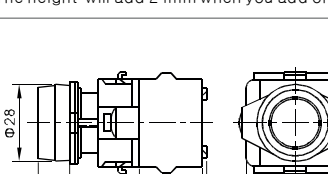
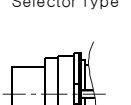
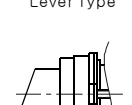
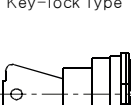
LAY3 Shape(Slow-break Type)	LAY3-A Shape(quick-break Type)	Operating Type	Type Number	Remarks
		Pilot Lamp	LAY3 LAY3-A -D/+ /,	R G Y O B W
		Momentary	LAY3 LAY3-A -* /+	R G Y O B W N
		Momentary	LAY3 LAY3-A -* G/+ /,	R G Y B W
		Momentary	LAY3 LAY3-A -* M/+	R G ⊙ The dimension of head is: (35mm, (70mm
		Push-lock Turn-reset	LAY3 LAY3-A -* TS/+	R G ⊙ The dimension of head is: (35mm, (70mm
		 90°-2position maintain  90°-2position return  45°-3position maintain  45°-3position half return  45°-3position self return  45°-3position self return	LAY3 LAY3-A -* X/21/+ LAY3 LAY3-A -* X/23/+ LAY3 LAY3-A -* X/31/+ LAY3 LAY3-A -* X/32/+ LAY3 LAY3-A -* X/33/+	R G N
		 90°-2position maintain  90°-2 position return  45°-3position maintain  45°-3position half return  45°-3position self return	LAY3 LAY3-A -* XB/21/+ LAY3 LAY3-A -* XB/23/+ LAY3 LAY3-A -* XB/31/+ LAY3 LAY3-A -* XB/32/+ LAY3 LAY3-A -* XB/33/+	R G N

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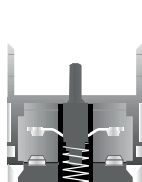
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LAY3 Shape(Slow-break Type)	LAY3-A Shape(quick-break Type)	Operating Type	Type Number	Remarks
		 90°-2position maintain  45°-3position maintain	LAY3 LAY3-A -* Y/21 LAY3 LAY3-A -* Y/31	⊙ Two keys are supplied. The key can be pulled out both positions.

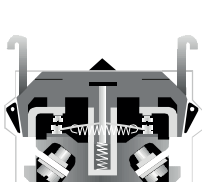
Shape and Dimensions

Type Number	Shape Dimensions				
LAY3					
LAY3-A					
Dimensions of Other Heads					

Switch Type



LAY3
(Slow-break Type)



LAY3-A
(Quick-break Type)