


LAY5 series

Push-button

OPERATION INSTRUCTION

Standard: IEC 60947-5-1

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Power For Better Life

-  Before installing and using this product, please read this manual carefully and pay more attention to safety.

LAY5 series

Instruction

1 Range of application

1.1 LAY5 series button is suitable for the industrial control circuit in which AC 50Hz or 60Hz, rated working voltage AC to 380V,DC to 250V. It can be used as the electromagnetic starter, contactor, relay or the controller of other electrical circuits. And the button with indicator light can be applied in light signal condition.

2 LAY5 series type explain

LAY5 a □ - 1234567

Derived Symbol and auxiliary Specifications code, standing for the operating mode, the number of contacts and colors

Series code

Button switch type

2.1 LAY5 series auxiliary code explain

Proforma Code	Auxiliary Specifications Code		
A self-reset flat button	1:white 2:black 3:green 4:red 5:yellow 6:blue	31 with symbol 32 with symbol 34 with symbol 35 with symbol 36 with symbol	1 one NO 2 one NC 3 one NC two NO 4 two NC 5 one NO + NC
L self-reset high button C 40 mushroom self-reset button R 60 mushroom self-reset button	1:white 2:black 3:green 4:red 5:yellow 6:blue	1 one NO 2 one NC 3 one NC 4 two NC 5 one NO + NC	
D short handle turn button J long handle turn button G key button	2 two position lock 3 three position lock 4 four position lock 5 five position lock	1 one NO 2 one NC 3 one NC 4 two NC 5 one NO + NC	
L8 two head button	3 two flat button 4 flat button + high button	3 red & green	5 one NO + NC
S mushroom self-lock	4:Φ30 turn reset 5:Φ40 turn reset 6:Φ60 turn reset 1:Φ40 key reset	3 green 4 red 5 yellow	1 one NO 2 one NC 3 one NC 4 two NC 5 one NO + NC
W3 flat button with light	1:white 2:black 3:green 4:red 5:yellow 6:blue	6.Direct-type 7.Resistance-capacitance	1 one NO 2 one NC 3 one NC 4 two NC 5 one NO + NC
W8 two head push-button with light	3 two flat button 4 flat button + high button	6.Direct-type	5 one NO + NC

K2 two position lock turn button with light K3 three position reset turn button with light K4 one-way reset turn button with light K5 both way reset turn button with light K6 one lock one reset turn button with light	3:green 4:red 5:yellow 6:blue 7.transparent	1 one NO 2 one NC 3 one NC 4 two NC 5 one NO + NC
Z self-lockflat button	1: white 2: black 3: green 4: red 5: yellow 6: blue	1 one NO 2 one NC 3 one NC 4 two NC 5 two NC 6 one NO + NC
V: indicator light	6.Direct-type 7.Resistance-capacitance	1: white 3: green 4: red 5: yellow 6: blue

Note: For LAY5 series button, the first code in auxiliary code is structure classification, B stands for metal series, E stand for plastic seriesThe type explanation of button box and other LA167 series button switch is left out; you can turn to the Selection Guide or make a phone consultation if needed.

3 LAY5 series

3.1 Specification

Rate insulation voltage	380					
Ithe(A)	10					
Rated working voltage			380	250	240	125
Rated working current	AC-15		2.5	-	3	-
	DC-13		-	0.27	-	0.55

3.1 Feature

Environmental required	The button should be installed in the medium away from the explosive danger, and the installation altitude should below 2000m
Standard	IEC 60947-5-1
Temperature	-25°C±55°C
Ability of seismic endured	<500Hz, amplitude is about 1.0mm
Ability of impact endured	≥10g
Protect level	Protect level

3.3 The specification of lamp bead

Type of lamp	LED		
Rated voltage	AC/DC 6V	AC/DC 12V	AC/DC 24V
	AC110V	AC220V	AC380V
Life	>30000 hours		
Voltage limited	$0.85 U_n \leq U \leq 1.1 U_n$		

3.4 Features of the contacts

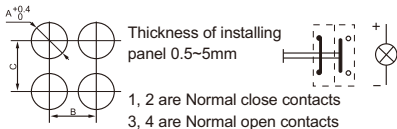
Contacts action	Slow move
Contact resistance	$\leq 50m\Omega$
Mechanical life	Self-reset button
Electric life	AC over 100,000
Short-circuit protect	RT16-10A
Wiring	Turning press terminal

3.5 Button box

Protect level	IP40,IP65 can be customized
Cable inlet	Knock down hole, suitable for PG 13.5 cable box

4 Installation method

4.1 LAY5 series opening pore requirement



Type	A	B	C	Info
Normal type	$\Phi 22.3$	≥ 50	≥ 35	1. unit: mm 2.B and C stands for the minimum size
Knob, key		≥ 50	≥ 35	
Mushroom type		≥ 50	≥ 42	
Large mushroom type		≥ 70	≥ 70	

Users should check if the product's operation is flexible, and test whether the contact of the contactors is good before installing.

When install the LAY5 series button, users should insert the operating head to the mounting hole, spin it into the substrate at the back of the panel, then screw down the screw on the both ends. The screw moment should not above 0.25Nm, or the there maybe clamping stagnation.



CERTIFICATE

Product Model: LAY5

Standard: IEC 60947-5-1

Inspector : CNC 003

Production date: Printed on the product
or package.

This product is qualified according
to the delivery inspection

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LAY5