

Instructions Drawing No. : APT8. 832. 510

Before installing the device, please read the instructions.

1 Summary

1.1 Main uses

LA39-E series pushbutton is fully functional. It could meet the demand of domestic and overseas digital control(programme control) equipment and electrical and electronic control. It's widely used in machine tool (AC power 50Hz or 60Hz, AC voltage 220V/DC voltage below 220V)、textile industry、ship areas、aviation、automobile、tobacco industry、electric power、medical devices etc. And supporting the use of circuit control、signal control、interlock.

1.2 The composition and significance of models

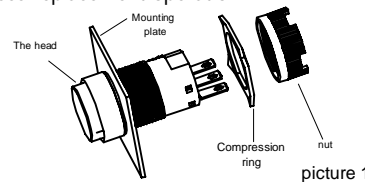
LA 39-E- □ □ □ □ / □ □ □

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Pushbutton type and Design number
- ② Specification code : mounting hole diameter Φ16mm
- ③ **Quantity of contact : 11--a normally open a normally closed, 22--two normally open two normally closed**
- ④ Assist type : Normal-- pushbutton、D--pushbutton with illumination、M--mushroom pushbutton X--Selector switch、Y--key switch pushbutton、 T-- maintained pushbutton、Z--Emergency stop pushbutton、ZR--Emergency Stop, twist to release
- ⑤ Shape of Head: Normal--Round、F--square、J--rectangle
- ⑥ Character code
- ⑦ 1. color code: r--red、g--green、y--yellow、b--blue、w--white、k--black
2. position of pull out of key :L--left、C--center、R--right
- ⑧ Code of voltage (only for pushbutton with illumination):
- ⑨ Assist code : 1、Normal-- conventional Type, 2、Annotation: marked as required.

2 Notes

- 1) Avoid welded connection switch, shall adopt the internationally used 2.8 x 0.5 mm connection, and set on the sheath.
- 2) If you need welding connection:
A. hand welding 25 w, 3 seconds. B. automatic welding 240 °C, 3 seconds.
Good welding one minute after applying force, and then put on jacket, do not use solvents to welding and avoid flux into the switch inside, cause product damage.
- 3) Button in the application, it is forbidden to use other appliances replacement operation .
- 4) Should be used in rated voltage and power flow .



3 Technical Characteristics

3.1 Technical Parameters

- 1) Rated insulation voltage (Ui): 250V
- 2) Conventional free air thermal current (Ith): 5A
- 3) Rated impulse withstand voltage(Uimp): 1500V
- 4) Power frequency withstand voltage: 1500V (AC valid values) /5s;
- 5) Electrical life: AC-15 1x10⁵ times ,AC-13 5x10⁴ times

o) Using categories: AC-15、DC-13、

Comparison table of rated operational current Ie (A) and rated operational voltage Ue (V) see table1:

7)Rated operating voltage corresponds to the voltage code see table2;

Categories	Ue	24V	110V	220V
AC-15	Ie	2A	1A	0.5A
DC-13		0.7A	0.2A	0.1A

Table1

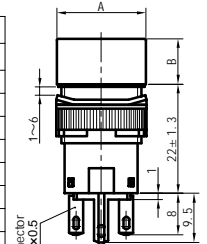
Code	Table2								
	20	21	22	23	24	25	26	27	28
Power supply	AC·DC								
Voltage(V)	5	6	12	24	36	48	110	127	220

- 8) Type of fuse in test of rated conditional short-circuit current : NT00-6A;
- 9) The largest cross-section: 0.75mm², the maximum, number of conductors connected to the terminal: 1;
- 10) Terminal type: adopt the internationally used set of 2.8 x 0.5 mm connection, and set on the sheath;
- 11) Rotate pushbutton operating moment < 0.2 N·m;pushbutton operating moment < 15 N·m

3.2 Work Environment

- 1) Use environment temperature:-25°C ~ +55°C
- 2) Air relative humidity:≤90%
- 3) The altitude is less than 2000m;
- 4) Installation category is II;
- 5) Pollution degree is 3;

Type	A(mm)	B(mm)
Radio Pushbutton	∅18	9
square Pushbutton	18x18	9
rectangle Pushbutton	18x24	9
Rotary Switch	∅18	15.5
square Rotary Switch	18x18	15.5
rectangle Rotary Switch	18x24	15.5
key Rotary Switch	∅18	28
square key Rotary	18x18	28
Rectangle key Rotary	18x24	28
Mushroom Pushbutton	∅23	15.5



picture 2

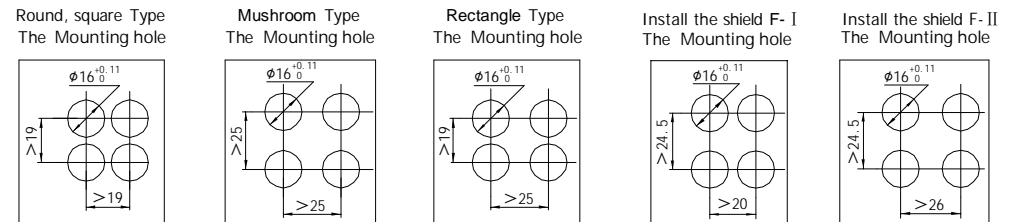
4 Installation method and Installation dimension

4.1 Installation method

4.1.1 Insert the operator into the mounting hole from the front of panel. (picture 2)

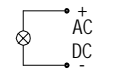
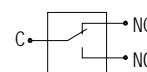
4.1.2 Clamping ring from the mounting plate will fit on the back pushbutton on the head, then tighten nut ;

4.2 Installation dimension (picture 2)

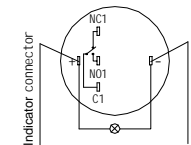


Pushbutton in the contact form and wiring diagram :

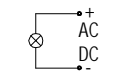
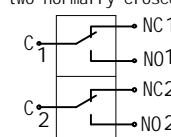
1. a normally open a normally closed



wiring diagram



2. two normally open two normally closed



wiring diagram

