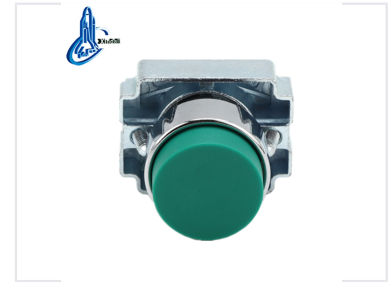


Latching Push Button Switch with Convex Head

This electrical switch features a spring convex head and a latching push button mechanism. It is designed for use in controlling circuits with AC voltage up to 660V and DC voltage below 400V.



ADDITIONAL IMAGES



Product Overview

Model and meanings:

LAY 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Refer to the introduction
According to structure type (Refer to the introduction)
Optional: Blank (denotes normal type signal lamp), "C" in it denotes emergency type signal lamp, "H" in it denotes structure (Refer to the introduction)
Material: "P" in it denotes metal type, "T" in it denotes plastic type
Design code
Push button and Signal lamp

① Denotes middle frame material: "B" in it means metal type, "C" in it means plastic type
② Letters denote structure type
A: Flush button C: 40MMx40mm button K: 40MMx40mm button D: Standard handle knob
S: Long handle knob G: New switch L: Convex button P: Button with water-proof cover
N: Turn-to-release type emergency button T: Push and pull type emergency button
M: Button with lamp A: Switch with lamp H: Auto-latching emergency button V: Indicator lamp
③ Optional: Blank denotes normal type signal lamp, "C" in it denotes emergency type signal lamp
④ The number after 1-10, 12, 13, 15 means color index in table 1
The number after 11, 14, 16 means the method of rotary switch order in table 1
The number after 17 means the voltage and current load in table 1
The number after 18 means mechanical load, 0 means ≤ 10.5 means $0-10$, 8 means $0-10$
The number after 19 means the size of foot hole in table 1
⑤ The number of contact type: the number after 20 means color
1 means 1NO 2 means 1NC 3 means 2NC 4 means 2NC 5 means 3NO+1NC 6 means 3NO 7 means 2NC+1NO
8 means 1NO+1NC

Specializing in production of buttons and indicators since 1997

Modular design guide explaining model codes, contact types, and structural options.

The standard convex-headed latching push button designed for industrial control.

Industrial Latching Push Button

The LAY5-BL31 is a robust latching push button switch engineered for demanding industrial control applications. Featuring a distinct convex head design, it is constructed from high-grade anti-flam plastic and zinc alloy to ensure long-term durability and resistance to electrical erosion. This switch is designed for seamless integration into control panels, machinery, and power distribution systems.


Electrical Specifications

Rated Insulation Voltage	600 V
Conventional Heating Current	10 A
Insulation Resistance	e5M@
Contact Resistance	d25n@
Power Frequency Withstand Voltage	AC 2.5KV/min

Performance Metrics

Mechanical Life (Pushbutton)	1000000
Electrical Life (Pushbutton)	500000
Continuous Working Life	100000 h


Dimensions and Mounting




LAY5-BL31

Convex button
Spring return

N/O



N/C

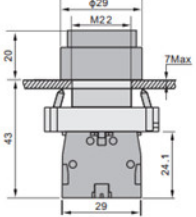


● Black
● Green
● Yellow
● Blue

● Red

LAY5-BL21
LAY5-BL31
LAY5-BL51
LAY5-BL61

LAY5-BL42



Dimensional specifications and mounting requirements for the LAY5 series.

Dimensions

Dimension	Value
Total Height	43mm
Height above surface	20mm
Base Size	29mm x 29mm

Mounting Hole Diameter	22 mm
Max Panel Thickness	7 mm

Compliance and Standards

Standards Compliance

- GB/T14048.1
- IEC60947-5-1

Certifications	CE, ISO 9001, RoHS, UL
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