

# Mushroom Head Emergency Stop Pushbutton Switch

This emergency stop pushbutton switch features a red mushroom head and push-pull operation. It is designed for controlling circuits in AC voltage up to 660V and DC voltage below 400V.



## Overview



Specializing in production of buttons and indicators since 1997

The LAY5-EC42 features a prominent red mushroom head actuator designed for rapid emergency response.

## Industrial Emergency Stop Solution

This red mushroom head push-pull emergency stop switch is engineered for reliable operation in demanding industrial environments. Designed for controlling circuits up to 660V AC or 400V DC, it provides essential safety and interlocking functionality for machinery and control panels. The unit features a robust construction using zinc alloy and high-grade anti-flam plastic, ensuring durability and compliance with international electrical standards.

## Technical Specifications

Rated Insulation Voltage	600 V
Conventional Heating Current	10 A
Insulation Resistance	e5M©
Contact Resistance	d25©
Power Frequency Withstand Voltage	AC 2.5KV/min

## Mechanical Performance



Mushroom head  
spring return

N/O



Black

Φ 40

LAY5-EC21



Green

Φ 40

LAY5-EC31

N/C



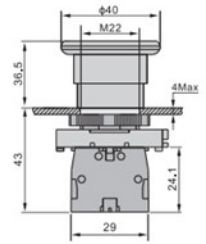
Red

Φ 30

LAY5-EC442

Φ 40

LAY5-EC42



Dimensional drawing and contact configuration guide for the LAY5-EC42 series.

### Mechanical Life Cycles

Component Type	Cycles
Pushbutton	1,000,000
Selector Switch	500,000

### Electrical Life Cycles

Component Type	Cycles
Pushbutton	5,000,000
Selector Switch	250,000

## Compliance & Standards

Certifications	CE, ISO 9001, RoHS, UL, GB/T14048.1, IEC60947-5-1
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## Applications

### Typical Applications

- Distribution boxes
- Distribution cabinets
- Control cabinets
- Power stations
- Communication networks