

# Illuminated Emergency Stop Push Button Switch with Spring Return

This emergency stop push button switch features a spring return mechanism and integrated illumination. Designed for safety-critical applications, the switch ensures reliable operation and clear visual indication.



## Product Overview



Specializing in production of buttons and indicators since 1997

### Industrial Emergency Stop Switch

The XDL31-CWC45 emergency stop push button switch is a high-performance control component engineered for critical safety circuits in industrial environments. Featuring a robust spring return mechanism and integrated illumination, this switch provides immediate machinery shutdown with clear visual status indication. Constructed with high-grade anti-flame materials and silver alloy contacts, it ensures long-term reliability and excellent electrical erosion resistance.

## Technical Specifications

Character		<<<
Environment		
Reached standard	IEC60947-5-1, GB/T14048.1, GB14048.5	
Surrounding temperature	Operation: -5°C~+55°C; Storage: -25°C~+70°C	
Anti-vibration property	Mushroom head button: 10g, other buttons and indication lamp: 15g(40Hz<Frequency<200Hz)	
Anti-impact	Button: 70g; Mushroom head button: 15g; Selector switch: 200g	
Protection grade	IP65: Flush head and extended head, with or without indication lamp button (installation)	
Mechanical	IP65: Button with cover Button: 3 million times operation, "Emergency stop button": 300 thousand times operation	
Contact character		<<<
Rated operating character	AC-15: A600 or Ue=240V & Ie=3A DC-13: Q800 or Ue=250V & Ie=3A	
Rated insulation voltage	Ui=690V, pollution grade is 3	
Rated withstanding impulse voltage	Uimp=6kV	
Contact operation	Slow breaking (NC or NO)	
Reliable operation	Safe mounting (Mushroom head shape: "Emergency stop" button: Breaking of NC contact is reliable)	
Operating pressure	Flush button and convex button :with 1DAN and 1 NC contact: 0.8DAN Auxiliary contact : with +0.5DAN and NC: +0.3DAN	
Short-circuit protection	10A fuse type complies with IEC269-1, GB14048.3	

### Rated Operating Capacity

**600 V**

Insulation Voltage

**6 kV**

Impulse Voltage

**3 A**

Operating Current (AC-15)

### Environmental Resilience

Metric	Specification
Operating Temperature	-5°C to +55°C
Storage Temperature	-25°C to +70°C
Humidity	35-85% RH
Pollution Grade	3

### Certifications & Standards

Industry Standards

IEC60947-5-1, GB/T14048.1, GB14048.5, CE, UL, RoHS, ISO9001

### Mechanical Performance

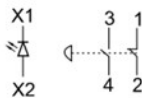


XDL31-CWC45

Illuminated  
Emergency stop  
Spring return  
with integral LED

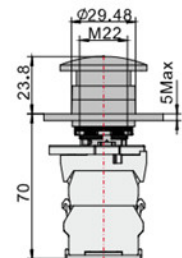
Illuminated  
Emergency stop  
Latching  
with integral LED

N/O+N/C



● Red  $\Phi$ 40 XDL31-CWC45

● Red  $\Phi$ 40 XDL31-CWCZ45



### Ingress Protection Rating

IP65 • IP66 • IP67 • IP68

### Mechanical Lifespan

- Standard Button: 3,000,000 cycles
- Emergency Stop Button: 300,000 cycles