

Illuminated Mushroom Head Push Button Switch

This mushroom head push button switch is designed with a metal spring return and an integrated light. It is suitable for use in control panels, machinery, and other equipment where a robust and easily accessible emergency stop or control button is required.



Product Overview



Industrial Illuminated Mushroom Push Button

The XDL31-BWC45 is a robust mushroom-head push button switch engineered for industrial control and emergency stop applications. Featuring a durable metal construction and spring return mechanism, it ensures reliable operation in demanding environments. Integrated LED illumination allows for instant status identification, while its modular design facilitates quick integration into control circuits.

Electrical Specifications

 XDL31-BWC45	Illuminated Emergency stop Spring return with integral LED		● Red Φ40 XDL31-BWC45	
XDL31-BWC45	Illuminated Emergency stop Latching with integral LED		● Red Φ40 XDL31-BWCZ45	

Rated Insulation Voltage	600 V
Contact Operation	Slow breaking (NC or NO)
Short-circuit Protection	10A fuse (IEC269-1 / GB14048.3)

Operating Environment

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 :with1DAN 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	

Operating Temperature

-5°C to +55°C

Storage Temperature

-25°C to +70°C

Relative Humidity

35-85% RH

Mechanical Characteristics

Protection Grade

IP40 • IP54 • IP65 • IP66 • IP67 • IP68

Mechanical Life

3000000 operations

Standard Button

300000 operations

Emergency Button

Compliance

Certified Standards

CE, ISO 9001, RoHS, UL, IEC60947-5-1