

# Double Head Push Button Switch

This double head push button switch is designed for on/off control in electrical power applications. It features a robust construction suitable for industrial environments and a clear, intuitive interface.



## Product Overview

### Industrial Double Head Pushbutton

This double head pushbutton switch is designed for reliable on/off control in demanding industrial circuits. Featuring a robust construction with zinc alloy and high-grade anti-flam plastic, it offers excellent durability and operational safety. The unit includes one flush green button marked 'I' and one flush red button marked 'O', providing an intuitive interface for signal and interlocking applications.

## Technical Specifications

Rated Insulation Voltage	600 V
Rated Thermal Current	10 A
Rated Withstanding Impulse Voltage	6 kV
Pollution Grade	3

## Operational 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	Button with cover: IP65; Button with cover: IP65; 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: Q600 or Ue=250V & Ie=3A
Rated insulation voltage	Ui=600V, 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

Technical verification of materials and environmental durability.

Operating Temperature Range	-5°C to +55°C
Storage Temperature Range	-25°C to +70°C
Relative Humidity	35% - 85% RH

## Mechanical Performance

### Mechanical Durability

**3000000 operations**

Standard Pushbutton

**300000 operations**

Emergency Button

Fastening Torque	0.8Nm (Max: 1.2Nm)
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## Compliance and Standards

Certification & Standards

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

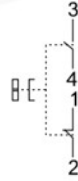
## Physical Dimensions



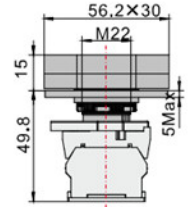
XDL31-CB8325

Double-headed  
Push button  
1 flush green push  
Marked I  
1 flush red push  
Marked O  
IP40

N/O+N/C



Green  
White  
Red XDL31-CB8325



Double-headed design with intuitive red/green button interface.

## Dimensions and Mounting

Parameter	Specification
Mounting Size	M22
Front Dimensions	56.2 x 30 mm
Protection Grade	IP40 / IP65