

# Waterproof Push Button Switch with LED Indicator

This waterproof push button switch features an integrated LED indicator and two positions. It is designed for controlling circuits with AC voltage up to 660V or DC voltage below 400V.



## Overview

Button and Indicator lamp of $\varnothing 22\text{mm}$ XDL21 button series	
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 : 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 :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

Detailed component breakdown of the XDL21 push button assembly.

## Industrial Push Button & Indicator Series

This series of waterproof push buttons and indicator lamps is engineered for robust industrial control applications, supporting AC circuits up to 660V and DC circuits up to 400V. Built with high-grade anti-flame plastic and durable zinc alloy, these components offer exceptional resistance to electrical erosion. Designed for longevity and safety, the series meets rigorous international standards including CE, RoHS, and IEC safety certifications.

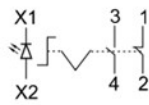
## Technical Specifications



XDL21-BKJ2465

Illuminated  
Selector switch  
with integral LED  
2-position stay put  
Long handle

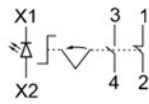
N/O+N/C  
220~240V



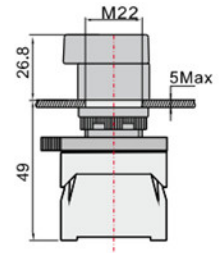
● Green XDL21-BKJ2365  
● Yellow XDL21-BKJ2565  
● Red XDL21-BKJ2465

2-position spring return  
Long handle

N/O+N/C  
220~240V



● Green XDL21-BKJ4365  
● Yellow XDL21-BKJ4565  
● Red XDL21-BKJ4465



Illuminated selector switch variants with LED indicators and mounting specifications.

### Mechanical Life

**1000000 ops**

Pushbutton

**500000 ops**

Selector Switch

### Performance Parameters

Parameter	Value
Insulation Resistance	e5M©
Contact Resistance	d2m©
Withstand Voltage	AC 2.5KV/min
Voltage Wave Tolerance	±20%
Indicator Brightness	60cd/m <sup>2</sup>

Rated Insulation Voltage 600 V

Conventional Heating Current 10 A

## Environmental Ratings

Ingress Protection Grade

IP65

Operating Temperature -5°C to +55°C

## Standards & Compliance

Certifications CE, RoHS, ISO 9001:2015, UL, IEC 60947-5-1