

# Miniature Waterproof LED Push Button Switch

This miniature push button switch features an integrated LED indicator and a waterproof design. It is designed for use in controlling circuits with AC voltage up to 660V and DC voltage below 400V.



## Product Overview

### Compact Industrial Control Solution

This miniature flat light switch is engineered for high-performance signal and control applications in industrial environments. Featuring a robust zinc alloy and high-grade anti-flame plastic construction, it provides reliable operation for electrical circuits up to 660V. With integrated LED indicators and versatile mounting options, this component is ideal for modern control cabinets, distribution boxes, and communication infrastructure.

## Technical Specifications

Rated Insulation Voltage	600 V
Conventional Heating Current	10 A
Contact Resistance	d25m©
Insulation Resistance	e5M©
Withstand Voltage	AC 2.5kV/min

## Operational Metrics

### Mechanical Life (Pushbutton)

**1000000 Operations**  
Cycles

LED Brightness	60 cd/m2
Continuous Working Life	100000 hours

## Environmental Conditions

Type and Meaning		Using Condition	
<b>1. BUTTON</b> XDL 16-□□□□□□□□ See list 1 Means normally close Means normally open Serial number designed The special expression of Company's product type	<b>2. SIGNAL LAMP</b> XDL 16-□□□□□□□□ Signal lamp The head appearance styles (see list 1) Serial number designed The special expression of company's product type	(1) Surrounding temperature: +25°C ~ +50°C (2) Relative humidity: <85% (3) Altitude: < 2,000m (4) Pollution grade: 3 (5) Installation type: III (6) Protection grade: IP40, IP55 (7) Environmental conditions: It is not allowed to be used in an environment containing corrosive and flammable gases and conductive dust.	
List 1:			
Letter	Meaning	Letter	Meaning
AXD	Round indicator	AL	Round flat button of latching type
FXD	Square indicator	FL	Square button of latching type
CFXD	Rectangular indicator	CFL	Rectangular button of latching type
MXD	Mushroom indicator	A	Round flat button (spring return type)
AD	Round button with lamp	F	Square button (spring return type)
FD	Square button with lamp	CF	Rectangular button (instant moving type)
CFD	Rectangular button with lamp	M	Mushroom button (instant moving type)
MD	Mushroom button with lamp	ZS	Emergency button (alternative moving type)
YA	Round key knob	YF	Square key button
FG	With protecting box		
		XA	Round revolving handle button
		XF	Square revolving handle button
		XCF	Rectangular revolving handle button
		L	Alternative button with rotary knob
		ML	Mushroom button
		ADL	Round belt light button latching
		FDL	Square belt light button latching
		CFDL	Rectangular belt light button latching
		YCF	Rectangular key knob

Operational guidance on environmental conditions and usage restrictions.

## Standards & Certifications

CE • ISO9001 • ROHS • UL

## Temperature Range

-25°C to +50°C

## Protection Grade

IP40, IP55

## Product Details



**XDL16-11FDFGL**

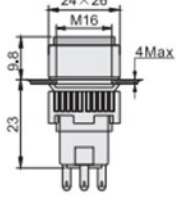
Installed light square LED  
24V/AC/DC  
Neon  
220V/AC  
with protection cover IP40

1NO+1NC

2NO+2NC



- Red XDL16-11FDFG
- Green/PG XDL16-11FDFGL
- Yellow XDL16-22FDFG
- White/PW XDL16-22FDFGL
- Pure Blue XDL16-22FDFGL



Wiring schematic and configuration options for 1NO+1NC and 2NO+2NC setups.

## Illumination Colors

- Red
- Green
- Yellow
- White
- Pure Blue

## Mounting Diameter

M16