

2-Position Selector Switch with Spring Return

This 2-position selector switch is designed with a spring return mechanism. The long hand pushbutton provides a user-friendly interface for operators.



Product Overview



Specializing in production of buttons and indicators since 1997

Professional 2-position selector switch with long handle lever.

Industrial 2-Position Selector Switch

This XDL31-BJ45 selector switch is a robust, 2-position control component designed for demanding industrial applications. It features a reliable spring return mechanism that ensures the actuator automatically reverts to its initial state, providing intuitive and efficient operation. Constructed with high-grade, anti-flam plastic and zinc alloy, the switch is engineered for high electrical erosion resistance and consistent performance in industrial machinery.

Electrical Specifications

Rated Insulation Voltage (Ui)

600 V

Rated Insulation

6 kV

Impulse Withstand

Contact Characteristics

Standard	Rating
AC-15	A600 (240V/3A)
DC-13	Q600 (250V/3A)

Environmental & Mechanical

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	

Detailed environmental and mechanical characteristic compliance.

Ingress Protection

IP40 • IP54 • IP65 • IP66 • IP67 • IP68

Ambient Temperature

-5°C to +55°C (Operating); -25°C to +70°C (Storage)

Mechanical Lifespan

300000 operations

Compliance & Standards


Conforming Standards

- IEC60947-5-1
- GB/T14048.1
- GB14048.5

Certifications

CE, ISO9001, RoHS, UL

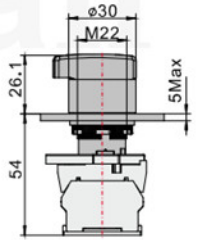
Installation Data



Long handle
Selector
Switch

XDL31-BJ25

N/O+N/O		3 13	3-position stay put	XDL31-BJ33
		4 14	3-position spring return	XDL31-BJ53
N/O+N/C		3 1	2-position stay put	XDL31-BJ25
		4 2	2-position spring return	XDL31-BJ45



Dimensional drawing showing mounting compatibility and profile.

Mounting Specifications

Parameter	Value
Mounting Diameter	30mm (M22)
Max Panel Thickness	5mm
Fastening Torque	0.8Nm (Max 1.2Nm)