

Mushroom Head Spring Return Push Button Switch

This push button switch features a red mushroom head and spring return mechanism. It is constructed from durable plastic and has an IP67 rating for protection against dust and water.



Product Overview



Specializing in production of buttons and indicators since 1997

Robust design suitable for control panels and industrial machinery.

Industrial Mushroom Head Push Button

This XDL32-EC45 series push button switch features a prominent red mushroom-shaped actuator designed for immediate and reliable control. Built for demanding industrial environments, the switch is constructed from high-grade anti-flam plastic and offers superior protection against dust and water. The spring-return mechanism ensures safe, momentary operation suitable for control circuits up to 660V.

Electrical Ratings

Operational Voltage	Up to 660V AC, Below 400V DC
Rated Insulation Voltage	600 V
Withstanding Impulse Voltage	6 kV

Environment & Durability

Protection Grade

IP65 • IP66 • IP67 • IP68

Mechanical Life

300000 Cycles

Standard Button

30000 Cycles

Emergency Stop

Operating Temperature

-5°C to +55°C

Technical Specifications

Character		<<<
Environment		
Reached standard	IEC60947-5-1, GB/T14048.1, GB14048.5	
Surrounding temperature	Operation: -5℃~+55℃, Storage: -25℃~+70℃	
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 1 DAN and 1 NC contact: 0.8 DAN Auxiliary contact: with +0.5 DAN and NC: +0.3 DAN	
Short-circuit protection	10A fuse type complies with IEC269-1, GB14048.3	

Technical compliance and environmental ratings for the XDL32 series.

Dimensions Table

Attribute	Value
Head Diameter	40mm
Mounting Thread	M22
Max Panel Thickness	6mm
Total Length	46.50mm

Standards Conformance	IEC60947-5-1, GB/T14048.1, GB14048.5, CE, ISO9001, RoHS, UL
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