

CNLD®



产品选型手册 PRODUCT SELECTION GUIDE

- Metal push button switch
- Indicator
- Push button switch
- Aluminum alloy button box

CNLD

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Metal Button Switch Series

Selection Manual

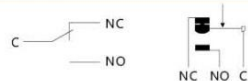
Diameter	Contact type	Head Type	Combination	Head Type	Luminous Type	Luminous color	LED Voltage	Housing Material
↓	↓	↓	↓	↓	↓	↓	↓	↓
Φ6 Φ8 Φ10 Φ12 Φ16 Φ19 Φ22 Φ25 Φ28 Φ30	A: Pin Type B: Screw Type	P: Flat head G: High head Q: Ball head	1NO: 10 1NO1NC: 11 2NO2NC: 22	None: Self-recovery D: With light EZ: With light & Self-locking Z: Self-locking X2: Two-position knob X3: Three-position knob Y2: Two-position key button Y3: Three-position key button M: Mushroom button ZS: Emergency button	D: Single Point E: Ring DV: Power symbol		(AV/DC, V) 6 12 24 220	S: Stainless steel N: Nickel plated brass A: Aluminum oxide

Switch rated load

Project	Parameter					
Rated insulation voltage U_i	AC250V					
Heating current I_{th}	4A					
Rated voltage (V)	DC 6V	DC 12V	DC 24V	DC 36V	DC 48V	DC 220V
Rated current (A)	4	3	2.5	2	2	3

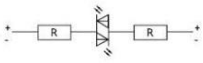
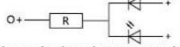
Switch structure description

Contact schematic



Single group is composed of three pins, double group is composed of six pins, single-point quick-action make and break contacts

LED lamp bead parameters

Project	Parameter	
Lamp bead type	High brightness LED lamp beads, cool color	
Rated voltage	AC/DC: 6V, 12V, 24V, 220V	
Rated current	≤20mA	
Step-down method	Monochromatic light-emitting built-in double resistor step-down	
	Monochromatic light-emitting circuit diagram: (regardless of the positive and negative poles) 	o+ refers to the common terminal of the two-color lamp, and the power supply is the positive pole. R- refers to the negative pole of the two-color lamp power supply G- refers to the negative pole of the two-color lamp power supply 
Reference life	Note: It can be used only under current and voltage, the maximum voltage is 60V Can be customized with double positive two-color lights.	

Protection and installation instructions

The metal button switch shell is made of metal material. Compared with the plastic switch, it is not tight to enhance its aesthetics, the appearance color can be diversified, and its dustproof and waterproof performance, explosion-proof performance and corrosion resistance are greatly improved. Waterproof grade IP65, explosion-proof capability IK10.

Metal Button Switch Series

Other parameters

Project	parameter
Switch type	Snap action single contact
Contact resistance	≤50m Ω
Insulation resistance	≥1000MΩ
Dielectric strength	2000VAC
Ambient temperature	-25°C~+55°C
Electrical life	More than 50,000 times
Mechanical life	More than 500,000 times
waterproof level	IP65

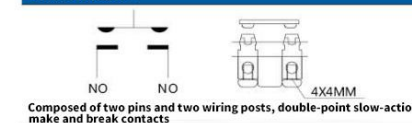
Project	Parameter
Explosion-proof grade	Ik10 (for metal materials)
Operating pressure	2.5~4.5N
Operating stroke	Turn on about 2mm, the total stroke is about 3mm
Nut torque	5~14N.m
shell	Stainless steel/brass nickel plated/aluminum alloy oxidation/plastic
button	Stainless steel/brass nickel plated/aluminum alloy oxidation/plastic
Pedestal	Aluminum oxide
Contacts	Silver alloy

16B, 16C, 19B, 19C switch rated load

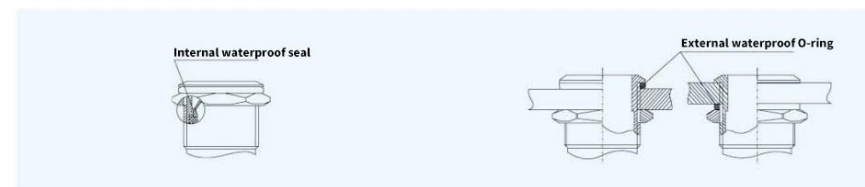
Project	Parameter			
Rated insulation voltage U_i	AC250V			
Heating current I_{th}	3A			
Rated voltage	DC12V	DC24V	DC36V	AC220V
Resistive load	3	2	1.5	
Inductive load	1.2	0.8	0.6	

Switch structure description

Contact schematic



Internal IP dustproof and waterproof structure Installation method of external O-shaped sealing ring



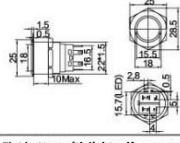
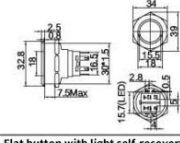
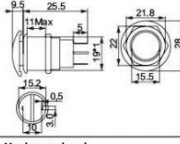
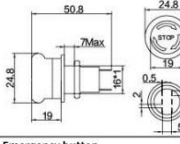
Metal Button Switch Series

Outline	Dimension	Outline	Dimension

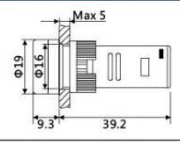
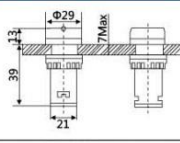
Metal Button Switch Series

Outline	Dimension	Outline	Dimension

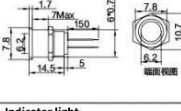
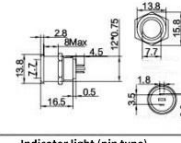
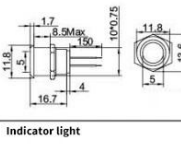
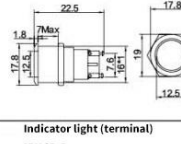
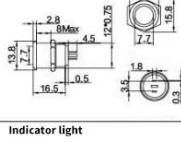
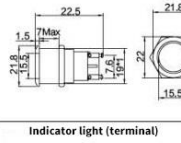
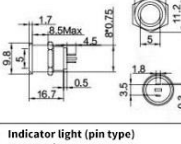
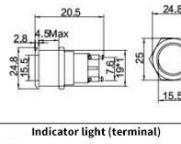
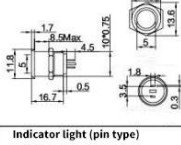
Metal Button Switch Series

Outline	Dimension	Outline	Dimension
	 Flat button with light self-recovery XY22P-11E Flat button with light self-locking XY22P-22E		 Flat button with light self-recovery XY30P-11DV/S Flat button with light self-locking XY30P-22DVZ/S
	 Mushroom head XY16-10M Mushroom head self-locking XY22-10MZ		 Emergency button XY16-11ZS XY16-22ZS

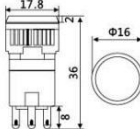
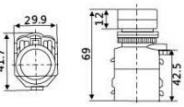
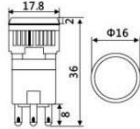
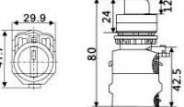
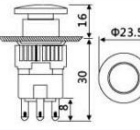
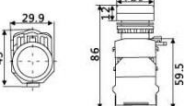
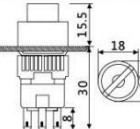
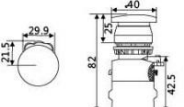
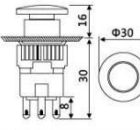
Indicator Switch Series

Outline	Dimension	Outline	Dimension
	 LED-Electronic energy-saving indicator XY22-16DS		 LED-Electronic energy-saving indicator XY22-22DS

Metal Button Switch Series

Outline	Dimension	Outline	Dimension
	 Indicator light XY6P-D		 Indicator light (pin type) XY12C-D/J
	 Indicator light XY10P-D		 Indicator light (terminal) XY16B-D
	 Indicator light XY12P-D		 Indicator light (terminal) xy19B-D
	 Indicator light (pin type) XY10C-D/J		 Indicator light (terminal) xy22B-D
	 Indicator light (pin type) XY10C-B/J		

Button Switch Series

Outline	Dimension	Outline	Dimension
	 Self-recovery XY16V-111 Self-locking XY16V-112		 General button XY38-11 Self-locking button XY38-11Z
	 Self-recovery with light XY16V-11D Self-locking with light XY16V-11DZ		 Two-speed short handle knob XY38-11X/2 Three-speed short handle knob XY38-20X/3
	 Emergency button XY16V-11ZS XY16V-22ZS		 Illuminated button XY38-11D Self-locking button with light XY38-11DZ
	 Knob selection switch XY16V-11X2 XY16V-22X3		 Φ40 Emergency mushroom button STOP XY38-11ZS
	 Big head emergency button XY16V-11ZS XY16V-22ZS		

Aluminum box and other button

