

# Industrial Equipment & Switches

## YCGB Series Metal Buttons



### General

The YCGB series metal buttons are suitable for industrial control, instruments and meters, and household appliances with an operating frequency of 50Hz (60Hz) for AC voltages up to 220V and DC voltages up to 220V. They are used for controlling electrical circuits such as contactors, relays, and other signal circuits. Buttons with indicator lights are also suitable for light signal indication scenarios.

Standard: IEC 60947-5-1.



### Type designation

YCGB -

Series number	Installation dimension	Header type	Number of contacts
YCGB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
YCGB	/	P: Flat head button Q: Ball head button G: High head button Y: Key button J: Emergency stop button X: Rotary button CJ: Connector Plug	10: 1NO 11: 1NO+1NC Note: Some products can be customized 1NC
With indicator light	Operating method	Color code	Part with light
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E: Ring light Note: Signs can be customized DT: Power sign with light EDT: Power ring sign with light	Z: Self-locking Note: No annotation indicates self-resetting."	W: white R: red G: green Y: yellow S: blue	Voltage code

Note: Wiring method - J indicates terminal connection, no annotation indicates soldering foot.

### Operating conditions

- Operating Temperature: -25°C to +55°C (no freezing); adequate air circulation around the light switch body is necessary.
- Operating Environment Humidity: 45-85% RH (no condensation).
- Contact Resistance: ≤50mΩ
- Insulation Resistance: ≥1000mΩ
- Maximum Voltage Resistance: 2500V, AC 50Hz, for 5 seconds.
- Vibration Resistance: 50Hz, amplitude approximately 12mm.
- Shock Resistance: Greater than 10g.
- Soldering Heat Resistance: Not exceeding 2 seconds at 320°C (or 30-watt soldering iron).
- Protection Degree: IP65

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### Technical data

Rated insulation voltage(Ui)			250V			
Ith Heating current			3A Current allowed when temperature does not exceed maximum rated value			
Rated voltage(Ue)			12V	24V	110V	220V
Operating current (In)	AC50/60Hz	AC-12 Resistive load and semiconductor load control	-	-	5A	3A
		AC-15 Electromagnetic load control (>72VA)	-	-	3A	2A
	DC	DC-12 Resistive load and semiconductor load control	5A	5A	1A	0.5A
		DC-13 Electromagnetic load control	2A	2A	0.2A	0.2A
Contact material			Copper-based composite silver			

Minimum applicable load: 3VAC/DC, 5mA (the applicable range depends on the working conditions and load type)

Light bulb type	Bidirectional ED bulb (AC/DC universal)
Emitting color	W B R G Y S
Service time	About 30000 hours
Rated current	About 15mA
Step-down method	Built-in resistor

Note: If unidirectional DC ED bulbs are required, they can be customized. Other voltage specifications can be customized as per requirements.