Industrial Equipment & Switches

YCGB Series Metal Buttons

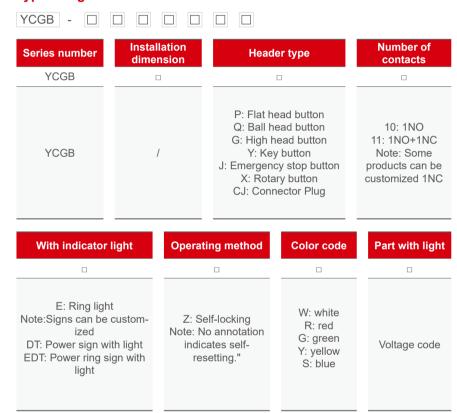


General

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.





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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Techniacal 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	WBRGYS		
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.