



# CDA9 Push button switch

## Perfect industrial design



- Feel comfortable, decorative circle adopts international popular arc design
- Sensory comfort, soft matte color decorative circle
- D-type elements, integrated into the design concept of Delixi
- Non-slip design, middle seat design non-slip slot to prevent screwdriver displacement during loading and unloading

## Safe and reliable



- Safer, NC contact with a positive disconnect function
- Adapt to harsh environments, IP65 high protection level
- Durable, electrical life up to 600 thousand times

## Easy to use



- Board rear depth to meet the needs of miniaturized cabinet customers (Depth behind the light button board = flat button)
- Can be installed up to 6 pairs of contacts, single layer can be installed 3 pairs of contacts
- Complete modular combination, contact, lamp holder can be freely combined
- CE certification, to meet the export demand, products in line with the national environmental regulations RoHS
- Special button with symbol can be customized for elevator to meet the special needs of customers

## Main technical index

|  |   |          |       |
|--|---|----------|-------|
| Rated insulation voltage $U_i$               | 690   |          |       |
| Specified heating current $I_{th}$           | A 10  |          |       |
| Rated withstand impulse voltage $U_{imp}$ KV | 6   |          |       |
| AC-15  | V/A 380/1.9   | 240/3    | 120/6 |
| DC-13  | V/A 240/0.27  | 120/0.55 | —     |
| Class of protection                          | IP65  |          |       |
| Contact resistance                           | mΩ ≤30  |          |       |
| Power frequency withstand voltage            | V/min 2500  |          |       |
| Electrical life ten thousand                 | 60(AC), 25(DC) Operating frequency 1200 times /h                            |          |       |
| Mechanical life ten thousand                 | 100(button), 10(scrum), 30(other)   |          |       |
| Authentication                               | Button operation frequency 1200 times /h, other 120 times /h<br>CCC/CE/RoHS |          |       |
| Meet the standard                            | GB/T 14048.5  |          |       |

## Lamp group module

|                               |    |       |    |    |    |    |     |     |     |     |
|-------------------------------|----|-------|----|----|----|----|-----|-----|-----|-----|
| Rated operating voltage $U_e$ | V  | 6     | 12 | 24 | 36 | 48 | 110 | 220 | 220 | 380 |
| Type of power supply          |    | AC/DC |    |    |    |    |     |     | AC  |     |
| Rated working current $I_e$   | mA | ≤20   |    |    |    |    |     |     |     |     |

## Modular assembly



Contact lamp holder contact



Connecting bracket



Panel



Button head



# CDA9 Button switch

| Name                           | Picture | Working condition | Order code   | Color □                     | Voltage  |
|--------------------------------|---------|-------------------|--------------|-----------------------------|--|
| Flat button                    |         | self-resetting    | CDA9**BN □   | 1. ○ 2. ● 3. ●              | -  |
|                                |         | self-locking      | CDA9**BNZS □ | 4. ● 5. ○ 6. ●              |  |
| Mushroom buttons               |         | self-resetting    | CDA9**M □    | 3. ● 4. ●                   | -  |
| Scram button                   |         | Rotary reset      | CDA9**ZS □   | 4. ●                        | -  |
| Double-ended button            |         | self-resetting    | CDA911S □    | 1. ○ 2. ● 3. ●<br>4. ●      | -  |
| Lamp button                    |         | self-resetting    | CDA9**D □△   | 1. ○ 3. ● 4. ●<br>5. ○ 6. ● | AC/DC :<br>T : 6V<br>J : 12V<br>B : 24V<br>C : 36V<br>E : 48V<br>F : 110V<br>MD : 220V |
|                                |         | self-locking      | CDA9**DZS □△ |                             |  |
| Mushroom button with light     |         | self-resetting    | CDA9**MD □△  | 3. ● 4. ●                   | AC:<br>M : 220V<br>Q : 380V  |
| Double-ended button with light |         | self-resetting    | CDA911S □△   | 3. ● 4. ●                   |  |

Note: \*\* (Number of 1st \* normally open contacts, number of 2nd \* normally closed contacts) □ Color △ Voltage

| Name        | Picture | Working condition | Order code | Operation gear ○                                     | Gear Angle remarks                        |
|-------------|---------|-------------------|------------|--|---|
| knob        |         | 2 Gear            | CDA9**X ○  | 20:2 right-hand lock                                 | The default is 90°. 60° can be customized |
|             |         |                   |            | 22:2 gear right-hand self-reset                      | The default is 90°. 45° can be customized |
|             |         |                   |            | 30:3 gear around self-locking                        | Default 60°                               |
| Handle knob |         | 2 Gear            | CDA9**XB ○ | 20:2 right-hand lock                                 | The default is 90°. 60° can be customized |
|             |         |                   |            | 22:2 gear right-hand self-reset                      | The default is 90°. 45° can be customized |
|             |         |                   |            | 30:3 gear around self-locking                        | Default 60°                               |
| Key button  |         | 2 Gear            | CDA9**Y ○  | 20:2 right-hand self-locking left pull out           | The default is 90°. 60° can be customized |
|             |         |                   |            | 21:2 rightward self-locking pull out at any position | The default is 90°. 60° can be customized |
|             |         |                   |            | 22:2 gear right-hand self-reset left pull out        | The default is 90°. 60° can be customized |
|             |         | 3 Gear            |            | 30:3 Self-locking pull out at any position           | Default 60°                               |
|             |         |                   |            | 31:3 Self-locking left + right pull out              | Default 60°                               |
|             |         |                   |            | 32:3 Self-locking middle pull out                    | Default 60°                               |
|             |         |                   |            | 33:3 gear left and right self-reset middle pull out  | Default 45°                               |

Note: \*\* (Number of the first \* normally open contacts, number of the second \* normally closed contacts) ○ Operation mode

| Name            | Picture | Working gear | Order code   | Color □                                      | Voltage  | Operating gear                  |
|-----------------|---------|--------------|--------------|--|--|---------------------------------|
| Knob with light |         | 2 gear       | CDA9**XD □△○ | 1. ○<br>2. ●<br>3. ●<br>4. ●<br>5. ●<br>6. ● | AC/DC:<br>B-24V<br>F-110V<br>AC:<br>M-220V<br>Q-380V | 20:2 right-hand lock            |
|                 |         | 3 gear       |              |  |  | 22:2 gear right-hand self-reset |
|                 |         |              |              |  |  | 30:3 gear around self-locking   |
|                 |         |              |              |  |  | 33:3 left and right self-reset  |

Note: \*\* (Number of 1st \* normally open contacts, number of 2nd \* normally closed contacts) □ Color △ Voltage ○ Mode of operation

□ Elevator only

| Name          | Picture | Working condition | Order code    | Color □                                      | Symbol ◇  |
|---------------|---------|-------------------|---------------|--|---|
| Marked button |         | self-resetting    | CDA9**BN □◇   | 1. ○<br>2. ●<br>3. ●<br>4. ●<br>5. ●<br>6. ● | 11: Black horizontal bar on white background "I"<br>12: black arrow on white background "+"<br>13: Black parallel bars on white background "II"<br>21: White arrow "↑" on black background<br>22: White circle "O" on black background<br>31: White horizontal bar on green "I"<br>32: Green white parallel bars "I"<br>33: Green "START"<br>34: White arrow "↑" on green<br>41: Red background white circle "o"<br>42: Red "STOP"<br>61: Blue double arrow "→"<br>62: Double arrow "→" on black background |
|               |         | self-locking      | CDA9**BNZS □◇ |  |   |

Note: \*\* (Number of 1st \* normally open contacts, number of 2nd \* normally closed contacts) □ Color ◇ Symbolic representation

| Name                        | Picture | Order code            | Remark   |
|-----------------------------|---------|-----------------------|--|
| contact                     |         | CDA9BE110             | 1NO(Small contact)   |
|                             |         | CDA9BE101             | 1NC(Small contact)   |
|                             |         | CDA9BE120             | 2NO(Big contact)   |
| panel                       |         | CDA9BE102             | 2NC(Big contact)   |
|                             |         | CDA9BE111             | 1NO+1NC(Big contact)   |
| panel                       |         | CDA9BEII              | It is used to fill the excess panel holes to increase the appearance |
|                             |         |                       |  |
| Socket wrench               |         | CDA9BEV               | Fastening button head  |
| Tight stop protective ring  |         | CDA9BEJX<br>CDA9BEJXG | Prevent misoperation   |
| Tight stop protective cover |         | CDA9BEJIX             | Prevent misoperation   |
| Button box                  |         | CDA9HZ11              | Gray button box  |
|                             |         | CDZ9HZ15              | Yellow button box  |

| Name             | Picture | Order code  | Remark  |
|------------------|---------|-------------|---|
| Button cover     |         | CDA9BEIII   | Applicable buttons and light buttons                                |
| Φ30 Reducer ring |         | CDA9BEVI    | Φ30 Reducer ring  |
| Lamp set         |         | CDA9BED □△  | □ Color △ Voltage   |
|                  |         | CDA9BED3B   | Lamphouse green AC/DC 24V   |
| Button head      |         | CDA9BE □◇   | □ Specification ◇ Color   |
|                  |         | CDA9BEBN3   | Flat button button head green                                       |
|                  |         | CDA9BE ○●   | ○ Specification ● Mode of operation                                 |
| Button head      |         | CDA9BEX20   | Knob Knob head 2nd speed right-hand self-locking                    |
|                  |         | CDA9BEXD □● | □ Color ● Mode of operation   |
| Button head      |         | CDA9BEXD330 | With light knob knob head green 3 gears left and right self-locking |

### Product disassembly

- Open holes in the mounting panel
  - 
  -
- The standard positioning block provided by the factory is shown at the arrow in Figure 2 (to prevent improper installation from causing the whole rotation of the button), and the holes in the installation panel are shown in Figure 1.
- Remove connecting bracket
  -
- Remove the contact module
  -

### Product installation

- Product category
  - The buttons in this series are 22mm panel mounting buttons with panel mounting holes 022.3- mm, the button can be used in (1-6)mm thickness of the mounting panel.
- Install the contact module
  -
- Install with light strip
  -
- The button head is mounted on the panel
  - 
  - (Socket wrenches are available separately)
  - The connecting bracket is installed on the button head
    -
  - Button head triangle gap and bracket triangle mark corresponding to the same orientation, can be pressed in

### Mounting dimension

The dimensions of the button and the center distance of the button group installation are shown in Figure 4 and Figure 5. The relevant parameters are shown in Table 3.

Figure 4 Appearance of CDA9 series buttons

Figure 5 CDA9 series button installation center distance dimensions

| name                                | A    | B  | C  | D  | E    | a  | b  |
|-------------------------------------|------|----|----|----|------|----|----|
| Flat button                         | 61   | 49 | 69 | 30 | 48.5 | 60 | 35 |
| Flat button with light              | 61   | 49 | 69 | 30 | 48.5 | 60 | 35 |
| Mushroom buttons                    | 77   | 49 | 69 | 40 | 48.5 | 60 | 45 |
| Mushroom button with light          | 77   | 49 | 69 | 30 | 48.5 | 60 | 45 |
| Self-locking flat button            | 61   | 49 | 69 | 30 | 48.5 | 60 | 35 |
| Self-locking flat button with light | 61   | 49 | 69 | 30 | 48.5 | 60 | 35 |
| Double-ended button                 | 68   | 49 | 69 | 30 | 54   | 60 | 35 |
| Double-ended button with light      | 68   | 49 | 69 | 30 | 54   | 60 | 35 |
| knob                                | 76   | 49 | 69 | 30 | 48.5 | 60 | 35 |
| Handle knob                         | 76   | 49 | 69 | 30 | 48.5 | 60 | 40 |
| Knob with light                     | 76   | 49 | 69 | 30 | 48.5 | 60 | 35 |
| Scram button                        | 71.5 | 49 | 69 | 40 | 48.5 | 60 | 35 |
| Key button                          | 94   | 49 | 69 | 30 | 48.5 | 60 | 35 |

Note: When a group of push-button switches are installed on the mounting plate side by side, the center distance of the mounting holes in the same row is A and the center distance b of each row of mounting holes should be no less than the value listed in Table 5