

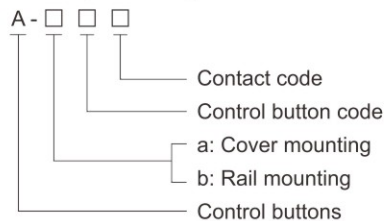
## Components for BZC8050 Control Stations BA8060 Series Control Buttons



- ◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
  - Class I, Zone 1 and Zone 2
  - Class I, Division 2, Groups A, B, C, D
- ◆ 2 versions of component
  - 1 NO
  - 1 NC
- ◆ Eight different ways of operation
  - Spring-return control button
  - Mushroom stay-put emergency control button
  - Key-operated control button
  - Rotary control button
  - Double control button
  - Mushroom turn-to-release emergency control button
  - Push button with indicator
  - Key-operated mushroom emergency control push button
- ◆ Mushroom stay-put emergency push button/ mushroom turn-to-release emergency push button can be equipped with protection cover, please specify when ordering. Material of protection cover: stainless steel and PC, please specify when ordering.
- ◆ Two-wire interface, can be paralleled, the maximum wire diameter is 2.5mm<sup>2</sup>.

### ■ Catalogue number logic







BA8060(A for short)



# Zones 1&2; 21&22

## Components for BZC8050 Control Stations BA8060 Series Control Buttons

### Selection table

Version	Description	Contact code	Ordering code	Weight (kg)
 a: Cover mounting	 11 1NC	R	40090-3	0.06
	 12 11 1NO	S	40090-4	0.06
 b: Rail mounting	 11 12 1NC	R	40091-3	0.05
	 11 12 1NO	S	40091-4	0.05

### Selection table of BA8160 series of explosion-proof Button operating device

Version	Description	Code	Ordering code	Weight (kg)	
	Spring-return control button ● Red ● Green ● Yellow ● Black ○ White	a5 a7 a8 a9 a10	40092A 40092B 40092C 40092D 40092E	0.05	
	Mushroom stay-put emergency control button	Red	d	40093	0.05
	Key-operated control button	Black	e	40094	0.05
	Rotary control button	Black	b	40095	0.05
	Mushroom turn-to-release emergency control button	Red	c2	40096	0.05
	Double control button	Red/Green	h	40097	0.05
	Push button with indicator	● Red ● Green ● Yellow	i j k	40098A 40098B 40098C	0.05
	Key-operated mushroom emergency control push button	Red	l	40099	0.05



## Components for BZC8050 Control Stations

### BA8060 Series Control Buttons

#### Technical data

#### Control buttons BA8060

##### Explosion protection

Global (IECEX)

IECEX CQM 24.0016U

Gas

Ex db eb IIC Gb

Europe (ATEX)

CML 24 ATEX 1224U

Gas

⊕ II 2 G Ex db eb IIC Gb

##### Certificates

IECEX; ATEX

##### Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-7

IEC 60079-0, IEC 60079-1, IEC 60079-7

##### Enclosure material

Polyamide (PA66)

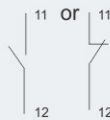
##### Rated voltage

500V AC

##### Rated current

10A

Contact type



Switch capacity

AC15: Ue 480V/Ie 2.5A; Ue 240V/Ie 5A

DC13: Ue 240V/Ie 0.5A; Ue 24V/Ie 5A

Mechanical life

10<sup>5</sup> times

Electrical life

10<sup>5</sup> times

Ambient temperature

-60°C~+90°C

Terminal

Suitable for 2.5mm<sup>2</sup> cable

##### Button element

Material

Polyamide (PA66)

Washer

Silicon rubber

##### Function

Spring-return control button

Spring-return control button

Mushroom stay-put emergency control button

Self-latching when pulled, self-locking

Key-operated control button

Rotate to lock; release with key, key movable in both ways

Rotary control button

Two-position switch function, key movable in 90°

Double control button





Spring-return control button, 1 control button element has the function of 2 control buttons

Mushroom turn-to-release emergency control button

Rotary resetting control button; self-locking

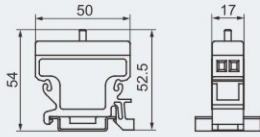


#### Accessories

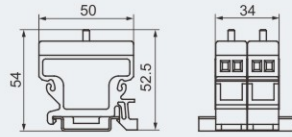
Description	Material	Ordering code	Weight (kg)	Description (Not applicable to button switch with key)	Material	Ordering code	Weight (kg)
 Cover mounting bracket	PC	40098	0.01	 Emergency push button protection cover	PC	40198	0.02
 Locking mechanism	-	40120	0.12	 Emergency push button protection cover	Stainless steel	40199	0.10

## Components for BZC8050 Control Stations BA8060 Series Control Buttons

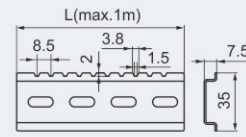
Dimension drawings (all dimensions in mm) - subject to alteration



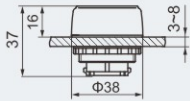
Control button, single (rail mounting)



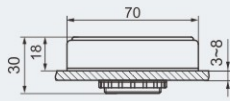
Control button, double (rail mounting)



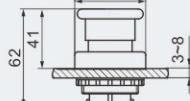
Rail



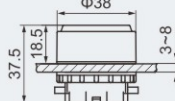
Spring-return control button



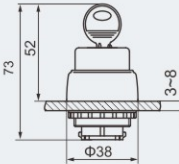
Double control button



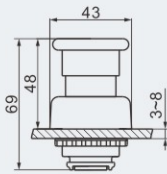
Mushroom stay-put emergency control button



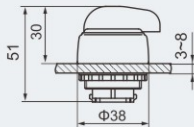
Pushbutton with indicator



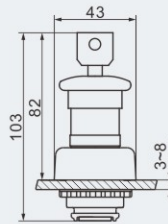
Key-operated control button



Mushroom turn-to-release emergency control button



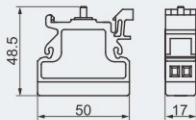
Rotary control button



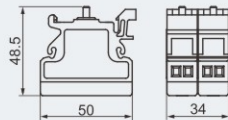
Key-operated mushroom turn-to-release emergency control push button



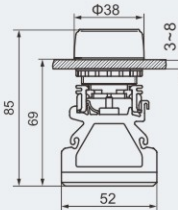
Mounting hole



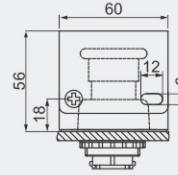
Control button, single (cover mounting)



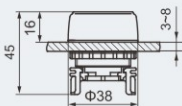
Control button, double (cover mounting)



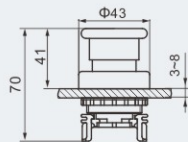
Control button cover mounting



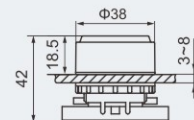
BA8050 Emergency push button with stainless steel protection cover



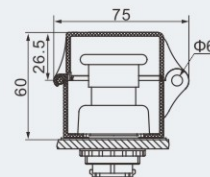
Operation for spring-return control button



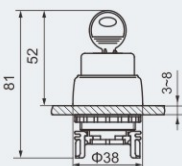
Mushroom stay-put emergency control button



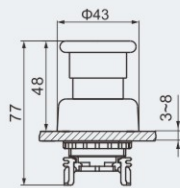
Push button with indicator



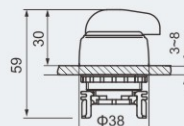
BA8050 Emergency push button with PC protection cover



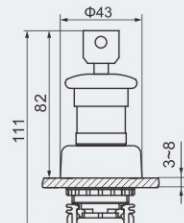
Key-operated control button



Mushroom turn-to-release emergency control button



Rotary control button



Key-operated mushroom turn-to-release emergency control push button

