Components for BZC8050 Control Stations
BA8050 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
- Six 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
- Mushroom stay-put emergency pushbutton/ mushroom turn-to-release emergency pushbutton can be equipped with protection cover, please specify when ordering. Material of protection cover: stainless steel and PC, please specify when ordering.

Catalogue number logic

BA8050(A for short)

A - □ □ □

- Contact code
- Control button code
- a: Cover mounting
- b: Rail mounting
- Control buttons

Zones 1&2; 21&22

Components for BZC8050 Control Stations
BA8050 Series Control Buttons

Selection table

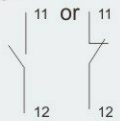
Version	Description	Contact code	Ordering code	Weight (kg)
a: Cover mounting	11 1NC 12	R	40090-1	0.06
	11 1NO 12	S	40090-2	0.06
b: Rail mounting	11 1NC 12	R	40091-1	0.05
	11 1NO 12	S	40091-2	0.05

Selection table

Version	Description		Code	Ordering code	Weight (kg)
	Spring-return control button	Red Green Yellow Black	a b c c1	40092A 40092B 40092C 40092D	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	f	40095	0.05
	Mushroom turn-to-release emergency control button	Red	g	40096	0.05
	Double control button	Red/Green	h	40097	0.05
	Pushbutton with indicator	Red Green Yellow	i j k	40098A 40098B 40098C	0.05
	Key-operated mushroom turn-to-release emergency control pushbutton	Red	l	40099	0.05

Technical data

Control buttons BA8050

Explosion protection	
Global (IECEx)	IECEx LCI 08.0013U
Gas	Ex d e IIC Gb
Europe (ATEX)	LCIE 07 ATEX 0006U
Gas	Ⓔx II 2 G Ex d e IIC Gb
Certificates	IECEx; ATEX; CU-TR
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	Max. 415V AC
Rated current	6A
Contact type	
Switch capacity	

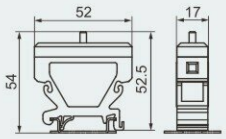
AC 15, cosj=0.7		230V-4A	415V-2.5A
DC1	L/R=1ms	60V-4A	110V-2.5A
DC11	L/R=15ms	60V-6A	110V-2.5A
	L/R=30ms	4A	1.6A
	L/R=100ms	2.5A	1.0A

Mechanical life	10^5 times
Electrical life	10^5 times
Ambient temperature	-20℃~+70℃
Terminal	Suitable for 2.5mm^2 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

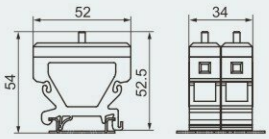
Accessories

Description	Material	Ordering code	Weight (kg)	Description	Material	Ordering code	Weight (kg)
Cover mounting bracket	PC	40098	0.01	Emergency pushbutton protection cover	PC	40198	0.02
Locking mechanism	-	40120	0.12	Emergency pushbutton protection cover	Stainless steel	40199	0.10

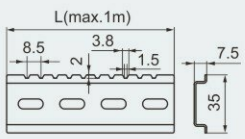
Dimension drawings (all dimensions in mm) - subject to alteration



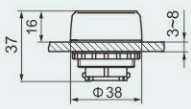
Control button, single (rail mounting)



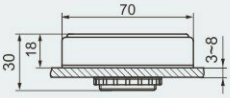
Control button, double (rail mounting)



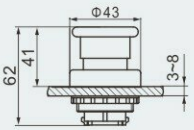
Rail



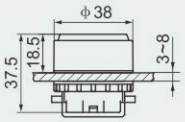
Spring-return control button



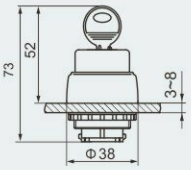
Double control button



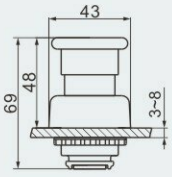
Mushroom stay-put emergency control button



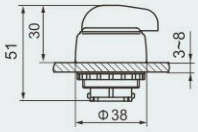
Pushbutton with indicator



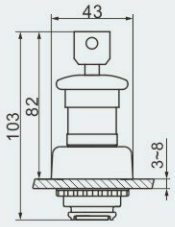
Key-operated control button



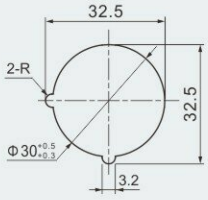
Mushroom turn-to-release emergency control button



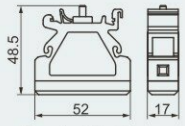
Rotary control button



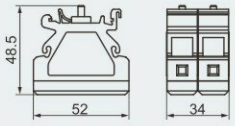
Key-operated mushroom turn-to-release emergency control pushbutton



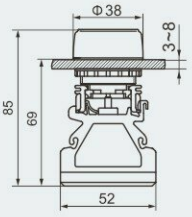
Mounting hole



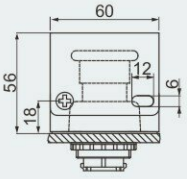
Control button , single (cover mounting)



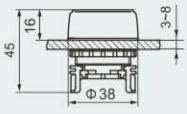
Control button, double (cover mounting)



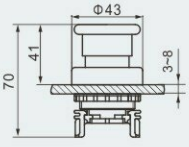
Control button cover mounting



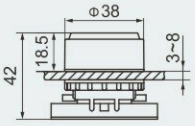
BA8050 Emergency pushbutton with stainless steel protection cover



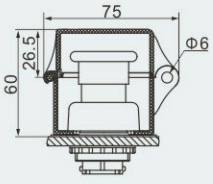
Operation for spring-return control button



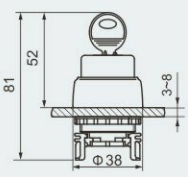
Mushroom stay-put emergency control button



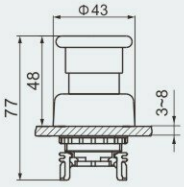
Pushbutton with indicator



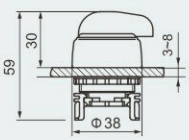
BA8050 Emergency pushbutton with PC protection cover



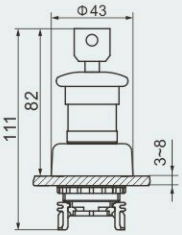
Key-operated control button



Mushroom turn-to-release emergency control button



Rotary control button



Key-operated mushroom turn-to-release emergency control pushbutton