

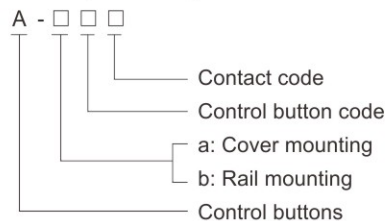
Components for BZC8050 Control Stations BA8050 Series Control Buttons



- ◆ 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
- ◆ 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.

■ Catalogue number logic







BA8050(A for short)



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	 1NC	R	40090-1	0.06
	 1NO	S	40090-2	0.06
 b: Rail mounting	 1NC	R	40091-1	0.05
	 1NO	S	40091-2	0.05

Selection table

Version	Description	Code	Ordering code	Weight (kg)	
	Spring-return control button	<ul style="list-style-type: none"> ● Red ● Green ● Yellow ● Black ○ White 	a	40092A	0.05
		b	40092B		
		c	40092C		
		c1	40092D		
		c2	40092E		
	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
	Push button with indicator	<ul style="list-style-type: none"> ● Red ● Green ● Yellow 	i	40098A	0.05
		j	40098B		
		k	40098C		
	Key-operated mushroom emergency control push button	Red	l	40099	0.05



Components for BZC8050 Control Stations

BA8050 Series Control Buttons

Technical data

Control buttons BA8050

Explosion protection

Global (IECEX)

Gas

Europe (ATEX)

Gas

Certificates

Conformity to standards

Enclosure material

Rated voltage

Rated current

Contact type

Switch capacity

Mechanical life

Electrical life

Ambient temperature

Terminal

Button element

Material

Washer

Function

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

IECEX LCI 08.0013U

Ex d e IIC Gb

LCIE 07 ATEX 0006U

⊕ II 2 G Ex d e IIC Gb

IECEX; ATEX; CU-TR

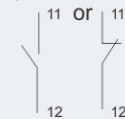
EN 60079-0, EN 60079-1, EN 60079-7

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

Polyamide (PA66)

Max. 415V AC

6A



AC 15, cosφ=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

10⁵ times

10⁵ times

-20°C~+70°C

Suitable for 2.5mm² cable

Polyamide (PA66)

Silicon rubber

Spring-return control button

Self-latching when pulled, self-locking





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

Two-position switch function, key movable in 90°

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

Rotary resetting control button; self-locking

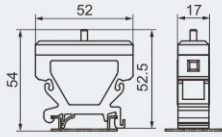
Accessories

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

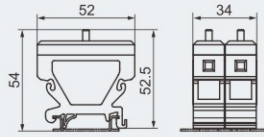


Components for BZC8050 Control Stations BA8050 Series Control Buttons

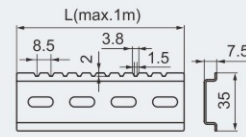
Dimension drawings (all dimensions in mm) - subject to alteration



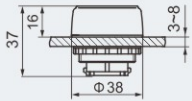
Control button, single (rail mounting)



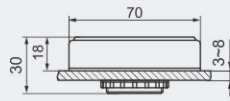
Control button, double (rail mounting)



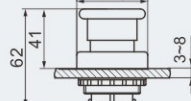
Rail



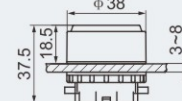
Spring-return control button



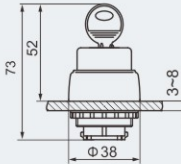
Double control button



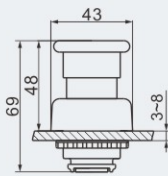
Mushroom stay-put emergency control button



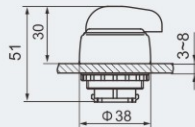
Pushbutton with indicator



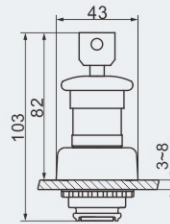
Key-operated control button



Mushroom turn-to-release emergency control button



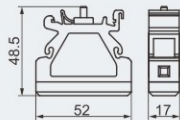
Rotary control button



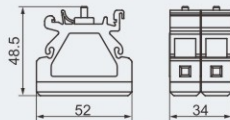
Key-operated mushroom turn-to-release emergency control push button



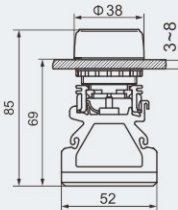
Mounting hole



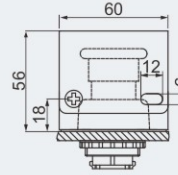
Control button, single (cover mounting)



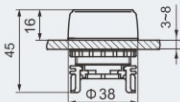
Control button, double (cover mounting)



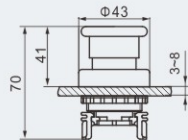
Control button cover mounting



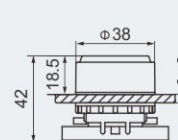
BA8050 Emergency push button with stainless steel protection cover



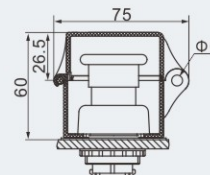
Operation for spring-return control button



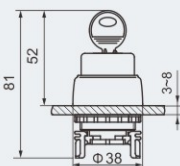
Mushroom stay-put emergency control button



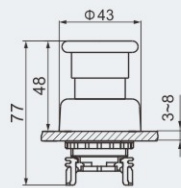
Pushbutton with indicator



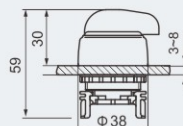
BA8050 Emergency push button with PC protection cover



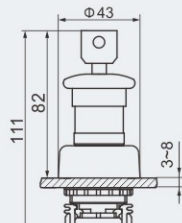
Key-operated control button



Mushroom turn-to-release emergency control button



Rotary control button



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

