

Components for BZC8050 Control Stations

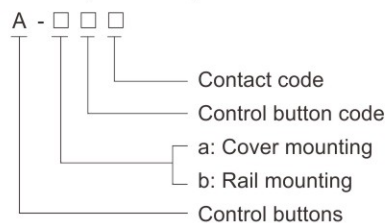
BA8050 Series Control Buttons



- ◆ 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)

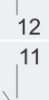


Zones 1&2; 21&22

Components for BZC8050 Control Stations

BA8050 Series Control Buttons

Selection table

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

Selection table

Version	Description	Code	Ordering code	Weight (kg)
	Spring-return control button ● Red ● Green ● Yellow ● Black ○ White	a b c c1 c2	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	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 ● 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

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

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

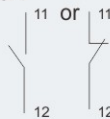
EN 60079-0, EN 60079-1, EN 60079-7

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

Polyamide (PA66)

Max. 415V AC

6A



Switch capacity

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

Mechanical life

10⁵ times

Electrical life

10⁵ times

Ambient temperature

-20°C~+70°C

Terminal

Suitable for 2.5mm² 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



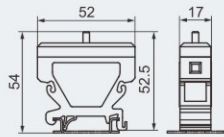
Accessories

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

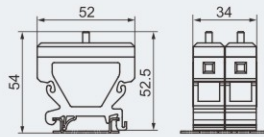
Components for BZC8050 Control Stations

BA8050 Series Control Buttons

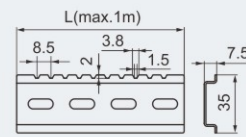
Dimension drawings (all dimensions in mm) - subject to alteration



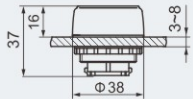
Control button, single (rail mounting)



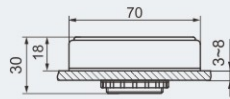
Control button, double (rail mounting)



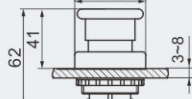
Rail



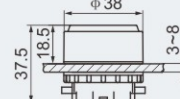
Spring-return control button



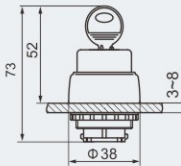
Double control button



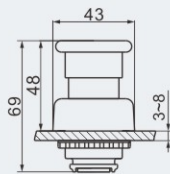
Mushroom stay-put emergency control button



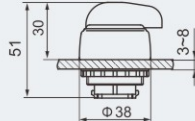
Pushbutton with indicator



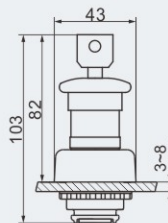
Key-operated control button



Mushroom turn-to-release emergency control button



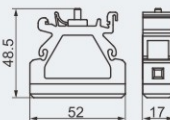
Rotary control button



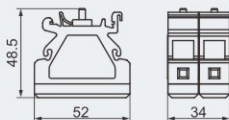
Key-operated mushroom turn-to-release emergency control push button



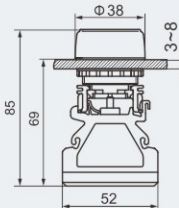
Mounting hole



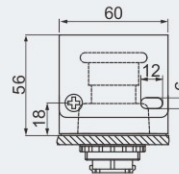
Control button, single (cover mounting)



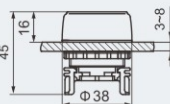
Control button, double (cover mounting)



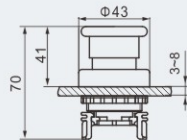
Control button cover mounting



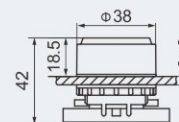
BA8050 Emergency push button with stainless steel protection cover



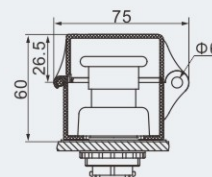
Operation for spring-return control button



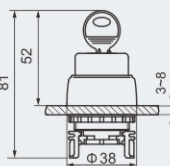
Mushroom stay-put emergency control button



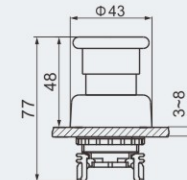
Push button with indicator



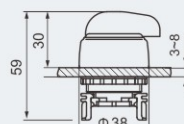
BA8050 Emergency push button with PC protection cover



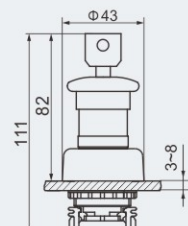
Key-operated control button



Mushroom turn-to-release emergency control button



Rotary control button



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

