

Components for BZC8050 Control Stations

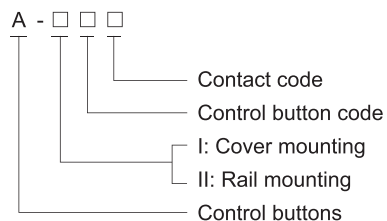
BA8050 Series Control Buttons



- ◆ 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)



Zones 1&2; 21&22

Components for BZC8050 Control Stations

BA8050 Series Control Buttons

Selection table

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

The last number of ordering code: 1 - cover mounting; 2 - rail mounting

Selection table

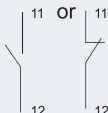
Version	Description	Code	Ordering code	Weight (kg)
	Spring-return control button ● Red ● Green ● Yellow	a b c	40092A 40092B 40092C	0.05
	Mushroom stay-put emergency control button Red	d	40093	0.05
	Key-operated control button Black	e	40094	0.05
	Rotary control button Red	f	40095	0.05
	Mushroom turn-to-release 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

Components for BZC8050 Control Stations

BA8050 Series Control Buttons

Technical data

Control buttons BA8050

Explosion protection	 II 2 G Ex d e IIC Gb																	
Certificates	LCIE 07 ATEX 0006U; IECEx LCI 08.0013U; BR232259-U(Brazil)																	
Conformity to standards	EN 60079-0:2012, EN 60079-1:2007, EN 60079-7:2007 IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-7:2006																	
Enclosure material	Polyamide (PA66)																	
Rated voltage	Max. 415V AC																	
Rated current	6A																	
Contact type																		
Switch capacity	<table><tr><td>AC 11, cosj=0.7</td><td>230V-4A</td><td>415V-2.5A</td></tr><tr><td>DC1 L/R=1ms</td><td>60V-4A</td><td>110V-2.5A</td></tr><tr><td>DC11 L/R=15ms</td><td>60V-6A</td><td>110V-2.5A</td></tr><tr><td>L/R=30ms</td><td>4A</td><td>1.6A</td></tr><tr><td>L/R=100ms</td><td>2.5A</td><td>1.0A</td></tr></table>			AC 11, 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
AC 11, 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 ⁶ times																	
Electrical life	10 ⁶ times																	
Ambient temperature	-20°C~+70°C																	
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																	



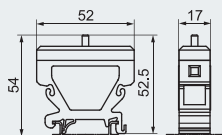
Accessories

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
Rail 	aluminium alloy (1m)	40120	0.12	Emergency pushbutton protection cover 	Stainless steel	40199	0.10

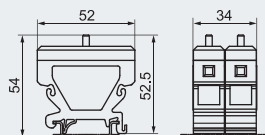
Components for BZC8050 Control Stations

BA8050 Series Control Buttons

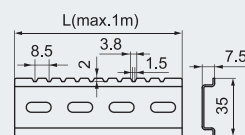
Dimension drawings (all dimensions in mm) - subject to alteration



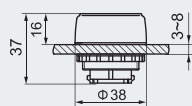
Control button, single (rail mounting)



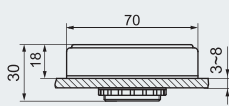
Control button, double (rail mounting)



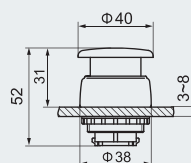
Rail



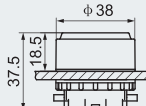
Spring-return control button



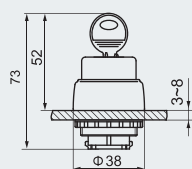
Double control button



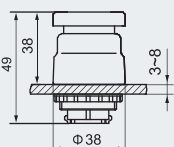
Mushroom stay-put emergency control button



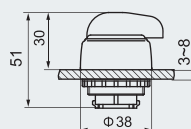
Pushbutton with indicator



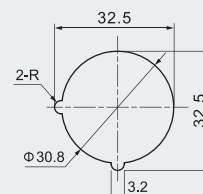
Key-operated control button



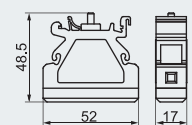
Mushroom turn-to-release emergency control button



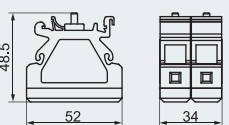
Rotary control button



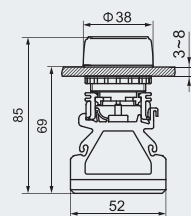
Mounting hole



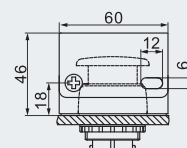
Control button, single (cover mounting)



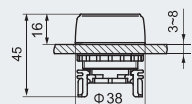
Control button, double (cover mounting)



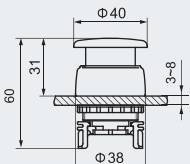
Control button cover mounting



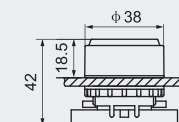
BA8050
Emergency pushbutton with
stainless steel protection cover



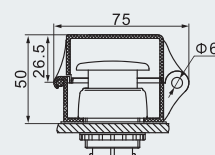
Operation for spring-return control button



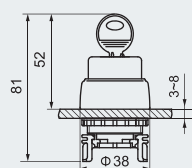
Mushroom stay-put emergency control button



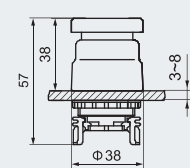
Pushbutton with indicator



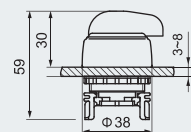
BA8050
Emergency pushbutton with
PC protection cover



Key-operated control button



Mushroom turn-to-release emergency control button



Rotary control button