

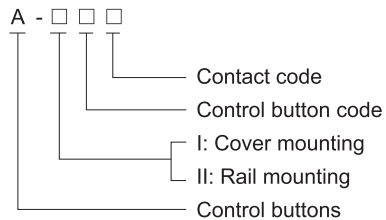
Components for BZC8050 Control Stations BA8050 Series Control Buttons



- ◆ 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 |  1NC | R | 40090-1 | 0.06 |
| |  1NO | S | 40090-2 | 0.06 |
|  II: Rail mounting |  1NC | R | 40091-1 | 0.05 |
| |  1NO | S | 40091-2 | 0.05 |

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


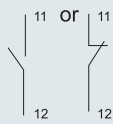
| Selection table | | | | | |
|---|---|--|---------------|-------------|------|
| Version | Description | Code | Ordering code | Weight (kg) | |
|  | Spring-return control button |  Red  Green  Yellow | a | 40092A | 0.05 |
| | | b | 40092B | | |
| | | c | 40092C | | |
|  | Mushroom stay-put emergency 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 | 40098A | 0.05 |
| | | j | 40098B | | |
| | | k | 40098C | | |



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; KZ.7500525.22.01.00374 (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 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 | | |

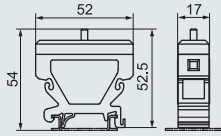


Accessories

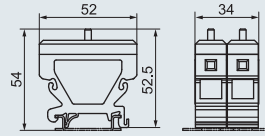
| Description | Material | Ordering code | Weight (kg) | Description | Material | Ordering code | Weight (kg) |
|---|----------------------|---------------|-------------|---|-----------------|---------------|-------------|
| Cover mounting bracket  | PC | 40098 | 0.01 | Emergency pushbutton protection cover  | PC | 40198 | 0.02 |
| Rail  | aluminium alloy (1m) | 40120 | 0.12 | Emergency pushbutton protection cover  | Stainless steel | 40199 | 0.10 |

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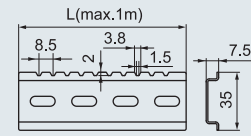
Dimension drawings (all dimensions in mm) - subject to alteration



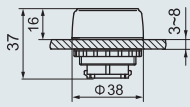
Control button, single (rail mounting)



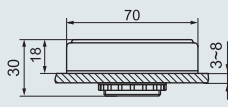
Control button, double (rail mounting)



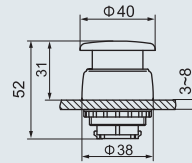
Rail



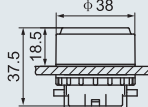
Spring-return control button



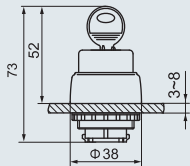
Double control button



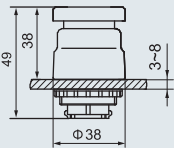
Mushroom stay-put emergency control button



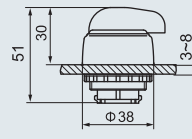
Pushbutton with indicator



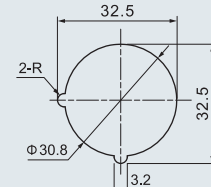
Key-operated control button



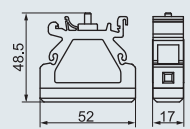
Mushroom turn-to-release emergency control button



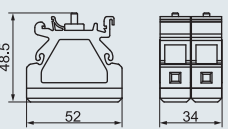
Rotary control button



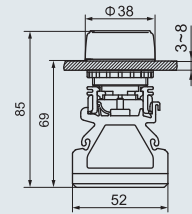
Mounting hole



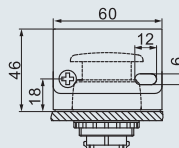
Control button, single (cover mounting)



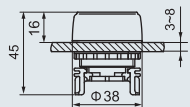
Control button, double (cover mounting)



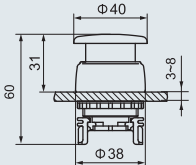
Control button cover mounting



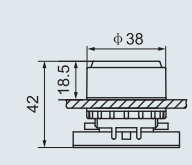
BA8050
Emergency pushbutton with stainless steel protection cover



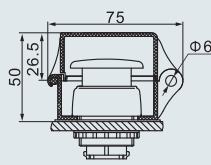
Operation for spring-return control button



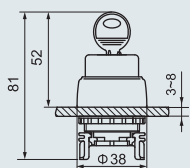
Mushroom stay-put emergency control button



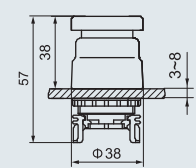
Pushbutton with indicator



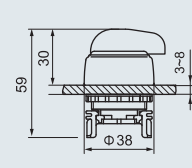
BA8050
Emergency pushbutton with PC protection cover



Key-operated control button



Mushroom turn-to-release emergency control button



Rotary control button