



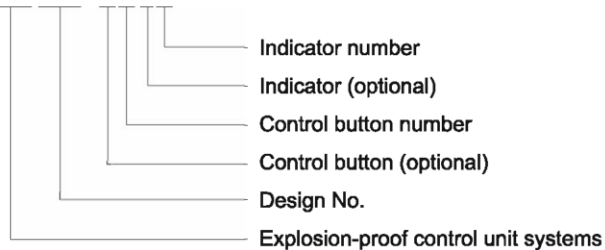
## Control Unit Systems

### BZA8050 Series Explosion-proof Control Unit Systems

- ◆ 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
- ◆ GRP enclosure (glass fibre-reinforced polyester resin).
- ◆ Three types of enclosure.
- ◆ Individual unit can be combined into larger units.

### ■ Catalogue number logic

BZA 8050 - A □ □ □





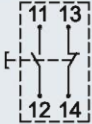



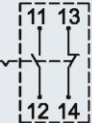
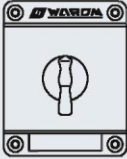
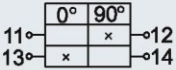
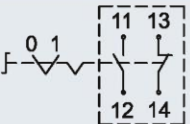
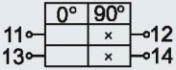
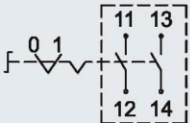
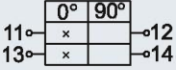
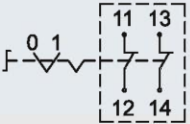
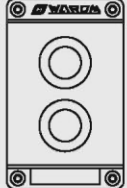





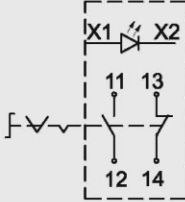

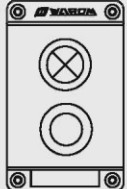

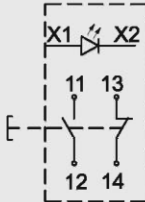

### ■ Note

1. Please refer to the Selection Table on P4/21~22.
2. Please select internal components as below:  
BA8050 explosion-proof control button selection table on P4/36~39 (Nominal contact is 1NO+1NC);  
BD8050 explosion-proof indicator selection table on P4/40~42;
3. Example: BZA8050-A2  
Components: two control buttons  
Tech. Details: One start control button (40092B + 40090-1+40091-1, green, 1NO+1NC);  
One stop control button (40092A+ 40090-1+40091-1, red, 1NO+1NC);
4. Special requirements on request.

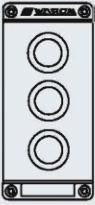

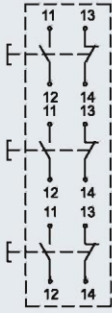



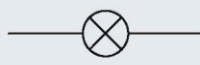
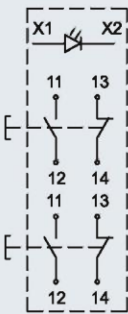












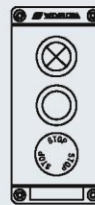






Zones 1&2; 21&22

**Selection table**

Outline	Colour	Chart of contact	Ordering code	Weight (kg)
Spring-return button 	Red 		40063A	0.65
	Green 		40063B	
Mushroom stay-put emergency button 	Red 		40064	0.65
Rotary button 		 A	40065A	0.65
		 B	40065B	0.65
		 C	40065C	0.65
Spring-return button 	Green 		40066	0.85
	Red 			
Indicator and mushroom stay-put emergency button 	Red 		40067	0.85
	Red 			
Indicator and spring-return button 	Red 		40068	0.85
	Red 			

### Selection table

Outline	Colour	Chart of contact	Ordering code	Weight (kg)
Spring-return button 	Yellow 		40069	1.10
	Green 			
	Red 			
Spring-return button and indicator 	Red 		40070	1.10
	Green 			
	Red 			
Spring-return button and mushroom stay-put emergency button 	Green 		40071	1.10
	Red 			
	Red 			
Spring-return button and rotary button 	Green 		40072	1.10
	Red 			
	Red 			
Indicator, spring-return button and mushroom stay-put emergency button 	Red 		40073	1.10
	Red 			
	Red 			

**Technical data**

**Explosion-proof control unit systems BZA8050**

**Explosion protection**

Gas explosion protection

II 2 G Ex de IIC T6 Gb

Dust explosion protection

II 2 D Ex tb IIIC T80°C Db IP65

**Certificates**

LCIE 09 ATEX 3097; IECEx CQM 11.0018; BVC10.0204 (Brazil); FM (USA)

**Conformity to standards**

EN 60079-0:2009, EN 60079-1:2007, EN 60079-7:2007, EN 60079-31:2009  
IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-7:2006, IEC 60079-31:2008

**Enclosure material**

GRP (glass fibre-reinforced polyester resin)

**Enclosure colour**

Black

**Exposed fastener**

Stainless steel

**Rated voltage**

Max. 415V AC

**Rated current**

10A

**Degree of protection**

IP65

**Ambient temperature**

-20°C~+55°C

**Cable entries**

1 x M25 x 1.5 Cable gland (DQM- I, plastic)

**Available cable outer diameter**

Φ9~Φ16 (mm)

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

