



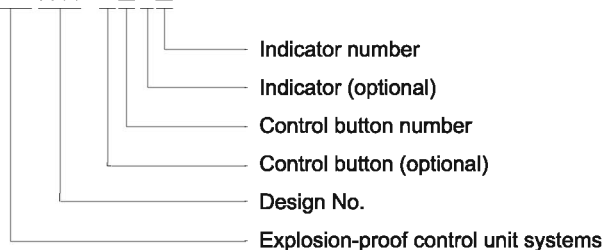
Control Unit Systems

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

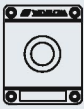
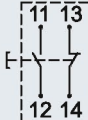
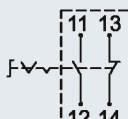
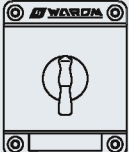
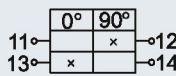
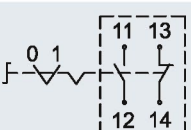
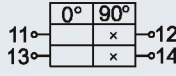
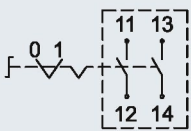
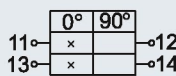
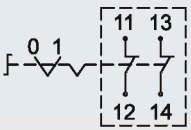
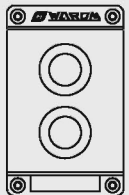
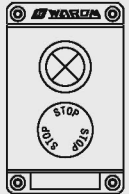
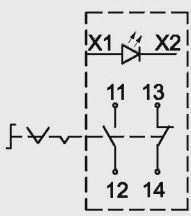
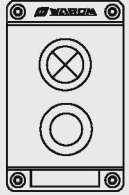
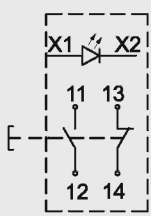
BZA 8050 - A □ D □



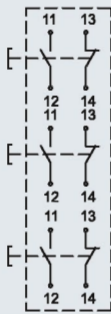
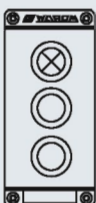
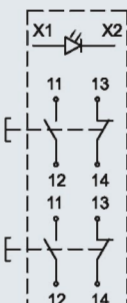
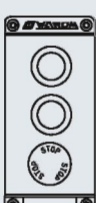
Note

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.

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 			40065A	0.65
			40065B	0.65
			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

Ex II 2 G Ex de IIC T6 Gb

Dust explosion protection

Ex 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

