

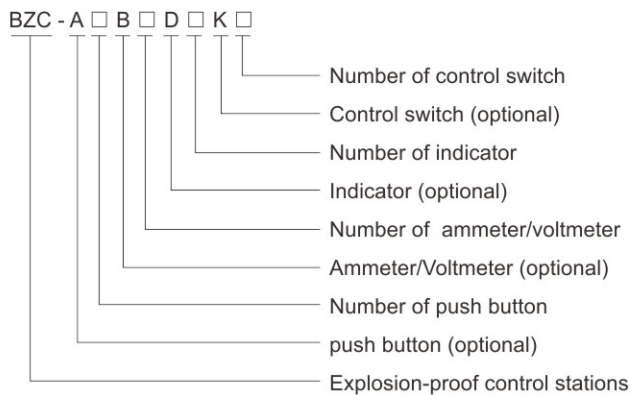
## Control Stations

### BZC Series Explosion-proof Control Stations (Ex db IIB+H2)



- ◆ 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 1, Groups B, C, D
- ◆ Copper-free Aluminium Alloy enclosure, powder coated surface.
- ◆ Six types of enclosure .
- ◆ Features excellent dustproof, waterproof, and corrosion-resistant properties, making it adaptable to various harsh working environments.
- ◆ The layout of buttons, switches, and other components on the control station is rational and straightforward, ensuring ease of use and quick mastery.
- ◆ A range of control methods can be selected based on actual needs, such as manual control, automatic control, or remote control, catering to varying application scenarios.

#### ■ Catalogue number logic



#### ■ Note

1. Please refer to the Selection table on P4/7.
2. Please select internal components as below:
  - Selection table of HA push button on P4/10~13 (Nominal contact is 1NO+1NC);
  - Selection table of HD indicator on P4/14~15;
  - Selection table of HK control switch on P4/16~19;
  - Selection table of BB8050 explosion-proof ammeter/voltmeter on P4/51~53;
3. Example: BZC-A2B1K1
  - Components: Two push buttons, one ammeter, one control switch ;
  - Tech. Details: One start push button (40036B + 40023 + 40024, green, 1NO+1NC);
  - One stop push button (40036A + 40023 + 40024, red, 1NO+1NC);
  - One ammeter (40126, 100/5A);
  - One control switch (Function A, stop-run-start);
4. Special requirements on request.

# Zones 1&2; 21&22

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Selection table of control station BZC (Ex db IIB+H2)

| Enclosure type | Components arrangement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cable entries and direction                                           | Ordering code | Enclosure weight (kg) |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------|-----------------------|
| I              |       | 2-M25 x 1.5<br>Bottom entry                                           | 40017.....    | 8.00                  |
| II             |                                                                                                                                                                         | 1-M32 x 1.5<br>or<br>2-M25 x 1.5<br>Bottom entry                      | 40018.....    | 9.10                  |
| III            |                                                                                                                                                                     | 1-M32 x 1.5<br>or<br>3-M25 x 1.5<br>Bottom entry                      | 40019.....    | 10.20                 |
| IV             |                                                                                                                                                                                                                                                    | 1-M40 x 1.5<br>or<br>2-M32 x 1.5<br>or<br>4-M25 x 1.5<br>Bottom entry | 40020.....    | 15.90                 |
|                |                                                                                                                                                                                                                                                    |                                                                       |               |                       |
| V              |                                                                                                                                                                                                                                                    | 1-M40 x 1.5<br>or<br>4-M32 x 1.5<br>or<br>6-M25 x 1.5<br>Bottom entry | 40021.....    | 27.50                 |
| VI             |                                                                                                                                                                                                                                                                                                                                       | 1-M40 x 1.5<br>or<br>4-M32 x 1.5<br>or<br>6-M25 x 1.5<br>Bottom entry | 40022.....    | 40.00                 |

## Control Stations

BZC Series Explosion-proof Control Stations (Ex db IIB+H<sub>2</sub>)

## Technical data

Explosion-proof control stations BZC (Ex db IIB+H<sub>2</sub>)

## Explosion protection

Global (IECEX)

Gas and dust

Europe (ATEX)

Gas and dust

## Certificates

## Conformity to standards

## Enclosure material

## Enclosure colour

## Exposed fastener

## Rated voltage

## Max. current

## Degree of protection

## Internal&amp;external earthing

## Ambient temperature

## Components

IECEX CQM 11.0043

Ex db IIB+H<sub>2</sub> T6 Gb

Ex tb IIIC T80°C Db IP66

TÜV CY 17 ATEX 0205967X

Ex II 2 G Ex db IIB+H<sub>2</sub> T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP66

IECEX; ATEX; CU-TR

EN 60079-0, EN 60079-1, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-31

Copper-free Aluminium Alloy, powder coated surface

Window grey (RAL7040)

Stainless steel

Max. 415V AC

10A

IP66

I, II, III: M6/M6; IV, V, VI : M6/M8;

-60°C~+55°C

1. Technical data of HA push button on P4/10~13;

2. Technical data of HD indicator on P4/14~15;

3. Technical data of HK control switch on P4/16~19;

4. Technical data of BB8050 explosion-proof ammeter/voltmeter on P4/51~53;

Standard M□ x 1.5 plug. Please see the Selection table on P4/7

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/22~31.

Surface type

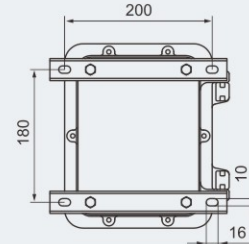
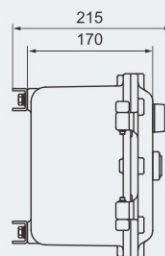
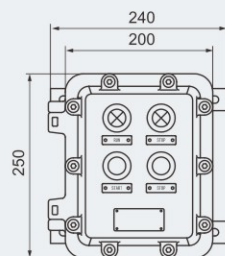
## Cable entries

## Cable gland (optional)

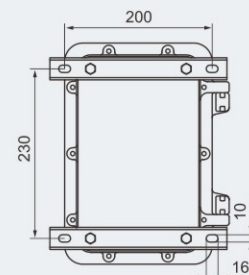
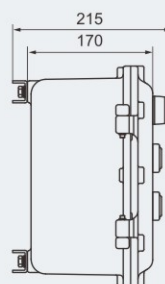
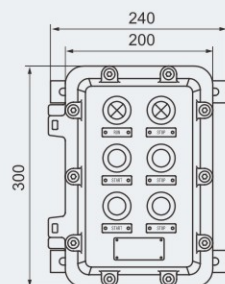
## Mounting



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



Enclosure I

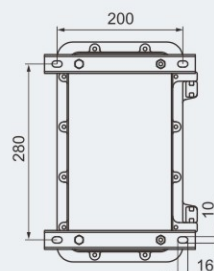
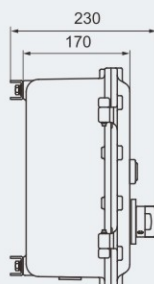
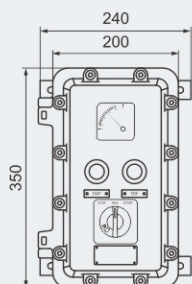


Enclosure II

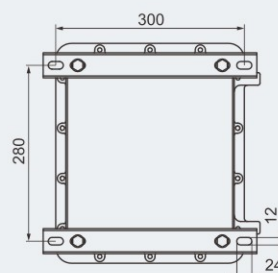
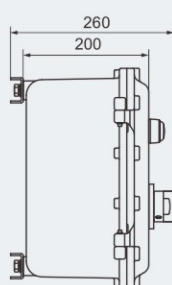
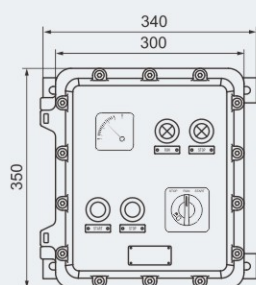
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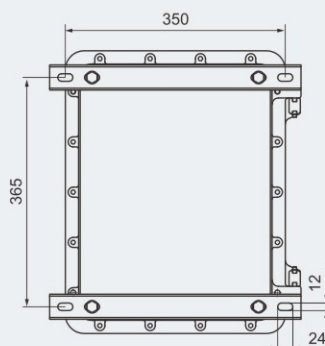
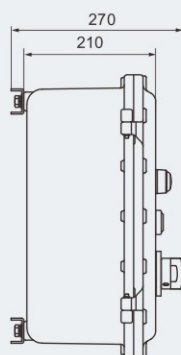
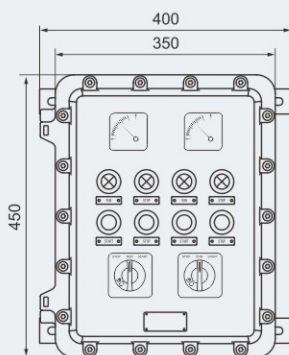
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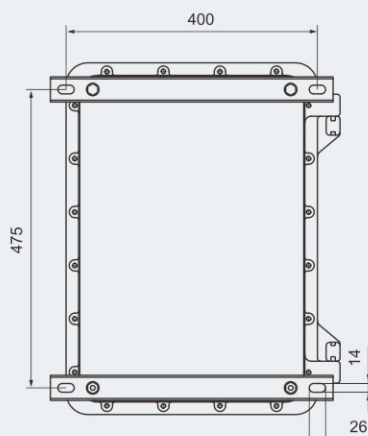
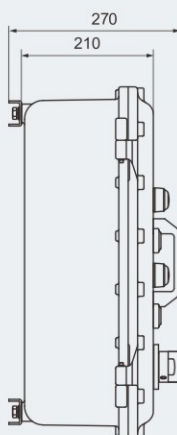
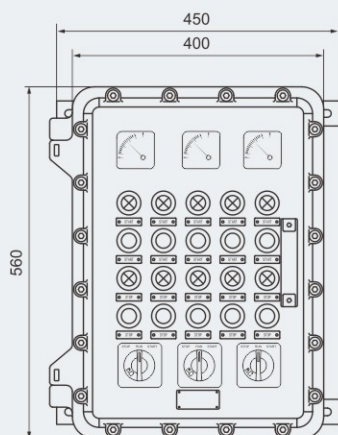
Enclosure III



Enclosure IV



Enclosure V



Enclosure VI

