

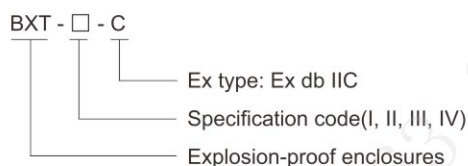
## Empty Enclosures

### BXT-□-C Series Explosion-proof Enclosures (Ex db IIC)



- ◆ 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 C, D
- ◆ Flameproof enclosure (Ex db IIC) in Copper-free Aluminium Alloy, formed of low pressure casting.
- ◆ Cable entries can be drilled and components can be installed by user on request.
- ◆ Safety shall be considered when installing components according to related electrical standards.
- ◆ Professionally designed explosion-proof large enclosure provides space for more components.
- ◆ Adopting high-precision machining, excellent explosion-proof performance.
- ◆ Professionally designed door handles, reliable and safe when opening the door.
- ◆ Professionally designed hinges, reliable and safe when opening the door.
- ◆ Special requirements on request.

#### Catalogue number logic



#### Technical data

| Explosion-proof enclosures            | BXT-□-C                                                                   |
|---------------------------------------|---------------------------------------------------------------------------|
| <b>Explosion protection</b>           |                                                                           |
| Global (IECEX)                        | IECEX (applied for)                                                       |
| Gas and dust                          | Ex db IIC Gb                                                              |
|                                       | Ex tb IIIC Db                                                             |
| Europe (ATEX)                         | ATEX (applied for)                                                        |
| Gas and dust                          | ⊕ II 2 G Ex db IIC Gb                                                     |
|                                       | ⊕ II 2 D Ex tb IIIC Db                                                    |
| <b>Certificates</b>                   | IECEX; ATEX                                                               |
| <b>Conformity to standards</b>        | EN 60079-0, EN 60079-1, EN 60079-31                                       |
|                                       | IEC 60079-0, IEC 60079-1, IEC 60079-31                                    |
| <b>Degree of protection</b>           | IP66                                                                      |
| <b>Internal&amp;external earthing</b> | M8/M8                                                                     |
| <b>Ambient temperature</b>            | -60°C~+200°C                                                              |
| <b>Enclosure material</b>             | Copper-free Aluminium Alloy, powder coated surface, window grey (RAL7040) |
| <b>Exposed fastener</b>               | Stainless steel                                                           |
| <b>Mounting feet</b>                  | Carbon steel, power coated surface                                        |
| <b>Hinge</b>                          | With hinge                                                                |

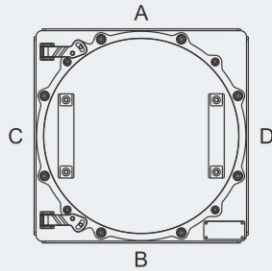
## Zones 1&2; 21&22

## Empty Enclosures

### BXT-□-C Series Explosion-proof Enclosures (Ex db IIC)

**Selection table of BXT-□-C series explosion-proof enclosures** (all dimensions in mm)

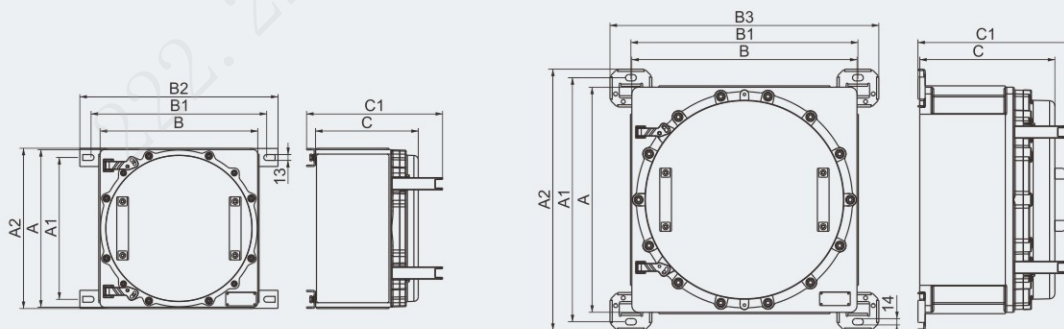
Table of max. number of possible enclosure entries



| Type      | A/B/C/D side |                         | Thread spec.                         |
|-----------|--------------|-------------------------|--------------------------------------|
|           | Hole QTY     | Hole distance range(mm) |                                      |
| BXT-I-C   | 8            | 50~60                   | NPT 1/2", M20×1.5, NPT 3/4", M25×1.5 |
|           | 3            | 70~80                   | NPT 1", M32×1.5, NPT 1 1/4", M40×1.5 |
|           | 2            | 90~100                  | NPT 1 1/2", M50×1.5, NPT 2", M63×1.5 |
|           | 2            | 90~110                  | M42×2                                |
| BXT-II-C  | 14           | 50~60                   | NPT 1/2", M20×1.5, NPT 3/4", M25×1.5 |
|           | 7            | 70~80                   | NPT 1", M32×1.5, NPT 1 1/4", M40×1.5 |
|           | 3            | 90~100                  | NPT 1 1/2", M50×1.5, NPT 2", M63×1.5 |
|           | 2            | 120~130                 | NPT 2 1/2", M75×1.5                  |
|           | 4            | 90~100                  | M65×2                                |
| BXT-III-C | 18           | 50~60                   | NPT 1/2", M20×1.5, NPT 3/4", M25×1.5 |
|           | 8            | 70~80                   | NPT 1", M32×1.5, NPT 1 1/4", M40×1.5 |
|           | 5            | 90~100                  | NPT 1 1/2", M50×1.5, NPT 2", M63×1.5 |
|           | 2            | 120~130                 | NPT 2 1/2", M75×1.5                  |
| BXT-IV-C  | 21           | 50~60                   | NPT 1/2", M20×1.5, NPT 3/4", M25×1.5 |
|           | 10           | 70~80                   | NPT 1", M32×1.5, NPT 1 1/4", M40×1.5 |
|           | 7            | 90~100                  | NPT 1 1/2", M50×1.5, NPT 2", M63×1.5 |
|           | 3            | 120~130                 | NPT 2 1/2", M75×1.5                  |



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



| Model     | Version | Dimension (mm) |     |     |     |     |     |     |     |
|-----------|---------|----------------|-----|-----|-----|-----|-----|-----|-----|
|           |         | A              | B   | C   | A1  | A2  | B1  | B2  | C1  |
| BXT-I-C   | 250×250 | 250            | 250 | 168 | 212 | 252 | 290 | 340 | 188 |
| BXT-II-C  | 350×350 | 250            | 250 | 228 | 315 | 356 | 190 | 440 | 188 |
| BXT-III-C | 500×500 | 500            | 500 | 300 | 542 | 580 | 504 | 597 | 344 |
| BXT-IV-C  | 600×600 | 600            | 600 | 300 | 642 | 680 | 604 | 697 | 344 |

Note: For cable entries:

- 1). Please specify the direction and size of each cable entry.
- 2). Cable gland is optional, DQM-II (Ex d) or DQM-III (Ex d) is recommended, please see P6/24~39.