

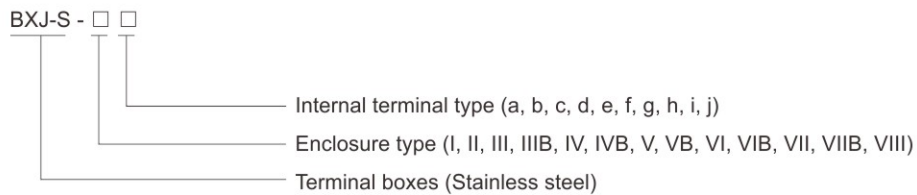
Terminal Boxes

BXJ-S Series Terminal Boxes



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 0, 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
- ◆ Stainless steel enclosure.
- ◆ International brand of explosion-proof terminal blocks.

■ Catalogue number logic



Zones 0&1&2; 21&22

Terminal Boxes

BXJ-S Series Terminal Boxes

| Technical data | | | | | | |
|--|--|------------------------|------------------------|------------------------|--------------------|--------------------|
| Terminal boxes (Ex e IIC/Ex ia IIC) BXJ-S-□□ | | | | | | |
| Explosion protection | | | | | | |
| Global (IECEX) | IECEX CQM 11.0020X | | | | | |
| Gas and dust | Ex eb IIC T6 or T5 Gb Ex tb IIIC T80°C or T95°C Db IP66 Ex ia IIC T6 Ga Ex tb IIIC T80°C Db IP66 | | | | | |
| Europe (ATEX) | LCIE 10 ATEX 3071X | | | | | |
| Gas and dust | Ⓔ II 2 G Ex eb IIC T6 or T5 Gb Ⓔ II 2 D Ex tb IIIC T80°C or T95°C Db IP66 Ⓔ II 1 G Ex ia IIC T6 Ga Ⓔ II 2 D Ex tb IIIC T80°C Db IP66 | | | | | |
| Certificates | IECEX; ATEX; CU-TR; UL | | | | | |
| Conformity to standards | EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31 IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31 UL 1203, UL 508, UL 50, UL 50E, UL 508A CSA C22.2 No.213, CSA C22.2 No.14, CSA C22.2 No. 94.1, CSA C22.2 No. 94.2 | | | | | |
| Enclosure material | Stainless steel | | | | | |
| Terminal | International brand of explosion-proof terminal blocks | | | | | |
| Exposed fastener | Stainless steel | | | | | |
| Rated voltage | Max. 1000V AC Max. 1500V DC | | | | | |
| Rated current | Max. 1000A | | | | | |
| | Cross section | 2.5mm ² | 4mm ² | 6mm ² | 10mm ² | 16mm ² |
| Ex e Rated current | 24A | 32A | 41A | 57A | 76A | |
| Ex ia Rated current | 5A | 5A | - | - | - | |
| | Cross section | 35mm ² | 70mm ² | 120mm ² | 185mm ² | 300mm ² |
| Ex e Rated current | 125A | 192A | 269A | 353A | 520A | |
| Ex ia Rated current | - | - | - | - | - | |
| | Cross section | 2 x 185mm ² | 2 x 300mm ² | 3 x 300mm ² | - | - |
| Ex e Rated current | 550A | 700A | 1000A | - | - | |
| Ex ia Rated current | - | - | - | - | - | |
| Internal&external earthing | M6/M6 | | | | | |
| Degree of protection | IP66, IP67 (optional) | | | | | |
| Ambient temperature | Ex eb: -40°C/-55°C/-60°C ~ +40°C/+60°C Ex ia: -40°C/-55°C/-60°C ~ +60°C | | | | | |

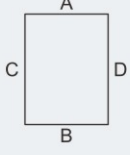
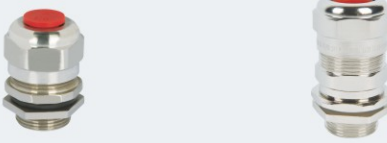


Terminal Boxes

BXJ-S Series Terminal Boxes

Cable entry table

Table of max. number of possible enclosure entries with cable glands DQM-I

|  | |  | | | | | | | | |
|---|-----|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| | | Size | | | | | | | | |
| | | M20 x 1.5 | M25 x 1.5 | M32 x 1.5 | M40 x 1.5 | M50 x 1.5 | M63 x 1.5 | M75 x 1.5 | M90 x 1.5 | M115 x 1.5 |
| I | A/B | 2 | 2 | 1 | 1 | 1 | / | / | / | / |
| | C/D | 2 | 2 | 1 | 1 | 1 | / | / | / | / |
| II | A/B | 8 | 8 | 3 | 3 | 2 | 1 | / | / | / |
| | C/D | 8 | 8 | 3 | 3 | 2 | 1 | / | / | / |
| III | A/B | 10 | 8 | 5 | 5 | 3 | 2 | / | / | / |
| | C/D | 10 | 8 | 5 | 5 | 3 | 2 | / | / | / |
| IIIB | A/B | 15 | 12 | 8 | 8 | 6 | 2 | / | / | / |
| | C/D | 10 | 8 | 5 | 5 | 3 | 2 | / | / | / |
| IV | A/B | 10 | 10 | 5 | 4 | 3 | 3 | / | / | / |
| | C/D | 14 | 12 | 7 | 5 | 4 | 4 | / | / | / |
| IVB | A/B | 15 | 15 | 8 | 8 | 6 | 3 | / | / | / |
| | C/D | 21 | 18 | 10 | 10 | 8 | 4 | / | / | / |
| V | A/B | 16 | 16 | 8 | 6 | 5 | 4 | / | / | / |
| | C/D | 16 | 16 | 8 | 6 | 5 | 4 | / | / | / |
| VB | A/B | 24 | 24 | 21 | 12 | 10 | 8 | / | / | / |
| | C/D | 24 | 24 | 21 | 12 | 10 | 8 | / | / | / |
| VI | A/B | 27 | 24 | 14 | 12 | 10 | 5 | / | / | / |
| | C/D | 30 | 30 | 16 | 14 | 12 | 6 | / | / | / |
| VIB | A/B | 45 | 32 | 28 | 18 | 15 | 10 | / | / | / |
| | C/D | 55 | 40 | 32 | 21 | 18 | 12 | / | / | / |
| VII | A/B | 30 | 30 | 16 | 14 | 12 | 6 | / | / | / |
| | C/D | 42 | 39 | 22 | 20 | 16 | 8 | / | / | / |
| VIIB | A/B | 55 | 40 | 32 | 21 | 18 | 12 | 7 | 6 | 3 |
| | C/D | 70 | 52 | 44 | 30 | 24 | 16 | 11 | 9 | 4 |
| VIII | A/B | 70 | 52 | 44 | 30 | 24 | 16 | 11 | 9 | 4 |
| | C/D | 90 | 64 | 56 | 36 | 33 | 20 | 16 | 14 | 5 |

Note: For cable entries:

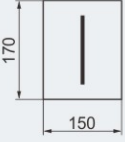
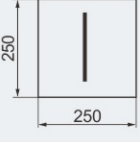
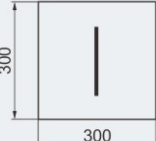
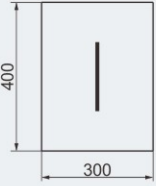
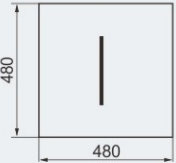
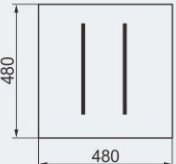
- 1) Please specify the direction and size of each cable entry.
- 2) Cable gland is optional, DQM-I (Ex e) is recommended. Please see P7/17~19.
- 3) Can be equipped with Gland plate.

Terminal Boxes BXJ-S Series Terminal Boxes

Selection table of BXJ-S series terminal boxes

Max. cross section of cable connected to terminals is 300mm²

See table for max. number of fitted terminals

| Enclosure code/Ordering code | Cross section of cable (mm ²) Outline | 2.5 (a) | 4 (b) | 6 (c) | 10 (d) | 16 (e) | 35 (f) | 70 (g) | 120 (h) | 185 (i) | 300 (j) | Weight (kg) |
|------------------------------|---|---------|-------|-------|--------|--------|--------|--------|---------|---------|---------|-------------|
| | | | | | | | | | | | | |
| I |  | 12 | 12 | 8 | — | — | — | — | — | — | — | 1.73 |
| II |  | 27 | 23 | 18 | 15 | 12 | 8 | — | — | — | — | 3.80 |
| III, IIIB |  | 30 | 28 | 25 | 20 | 14 | 10 | — | — | — | — | 5.20 (III) |
| | | | | | | | | | | | | 5.77 (IIIB) |
| IV, IVB |  | 45 | 40 | 35 | 28 | 23 | 9 | — | — | — | — | 6.50 (IV) |
| | | | | | | | | | | | | 7.10 (IVB) |
| V, VB |  | 56 | 50 | 40 | 30 | 20 | 16 | — | — | — | — | 12.40 (V) |
| | | | | | | | | | | | | 17.60 (VB) |
| |  | 112 | 100 | 80 | 60 | 40 | — | — | — | — | — | 12.70 (V) |
| | | | | | | | | | | | | 17.90 (VB) |



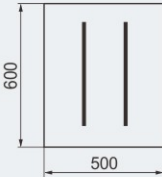

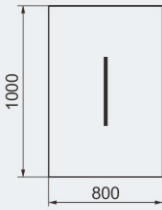
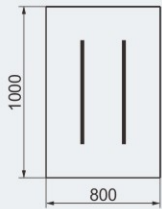
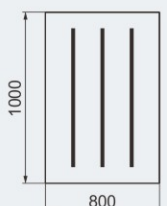
Terminal Boxes

BXJ-S Series Terminal Boxes

Selection table of BXJ-S series terminal boxes

Max. cross section of cable connected to terminals is 300mm²

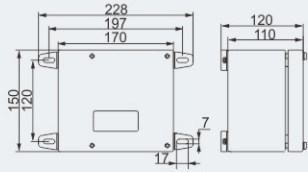
See table for max. number of fitted terminals

| Enclosure code/Ordering code | Outline | Cross section of cable (mm ²) | | | | | | | | | | | Weight (kg) |
|------------------------------|---|---|-------|-------|--------|--------|--------|--------|---------|---------|---------|---------------|-------------|
| | | 2.5 (a) | 4 (b) | 6 (c) | 10 (d) | 16 (e) | 35 (f) | 70 (g) | 120 (h) | 185 (i) | 300 (j) | | |
| VI, VIIB |  | 150 | 140 | 120 | 100 | 80 | 56 | — | — | — | — | 17.60 (VI) | |
| | | — | — | — | — | — | — | — | — | — | — | 26.40 (VIIB) | |
| VII, VIIIB |  | 315 | 300 | 240 | 225 | 180 | 120 | — | — | — | — | 29.30 (VII) | |
| | | — | — | — | — | — | — | — | — | — | — | 34.30 (VIIIB) | |
| VIII |  | 135 | 125 | 105 | 95 | 80 | 50 | 27 | 24 | 18 | 18 | 52.00 (VIII) | |
| |  | 270 | 250 | 210 | 190 | 160 | 100 | — | — | — | — | | |
| |  | 405 | 375 | 315 | 285 | 240 | — | — | — | — | — | | |

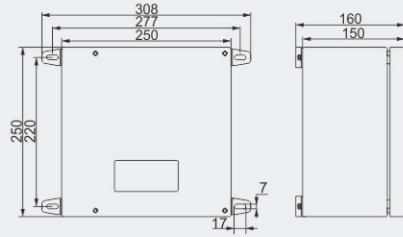


Terminal Boxes BXJ-S Series Terminal Boxes

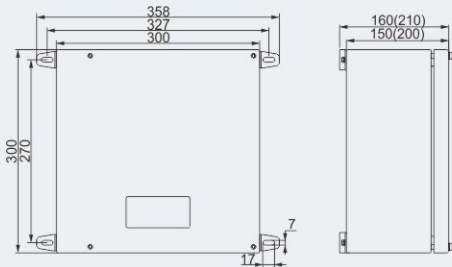
Dimension drawings (all dimensions in mm) - subject to alteration



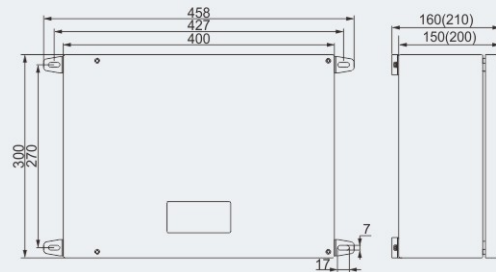
Type I



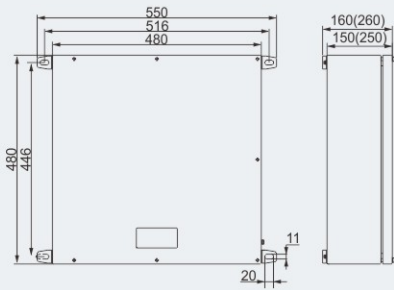
Type II



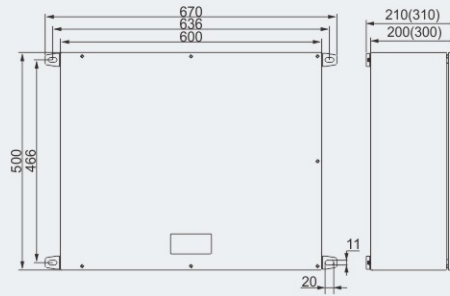
Type III, IIIB



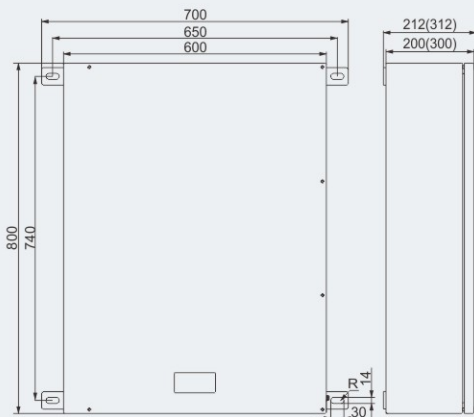
Type IV, IVB



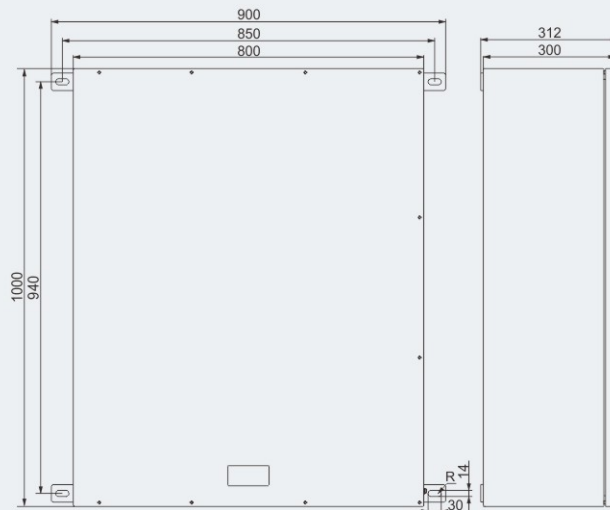
Type V, VB



Type VI, VIB



Type VII, VIIB



Type VIII

