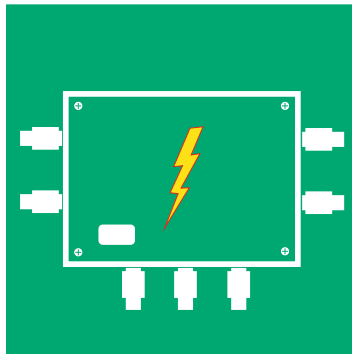


## Increased Safety & Weather Proof Terminal Box



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## Explosion Proof / Increased Safety AE-Series Terminal Box

### Application:

AE series junction boxes are made from anti-static, glass-fiber reinforced polyester, aluminum alloy and stainless steel given an electrostatically applied polyester coating. This treatment ensures good UV as well as thermal stability, providing mechanical impact resistance and excellent resistance when exposed either to salt mist or to marine and other damp environments. AE series junction boxes are usually installed in industrial plants where there is a risk of explosion and free, classified as Zone 1, 2, 21, 22; they are mainly used as increased safety enclosures as terminal boxes and control units.

### Type of Protection:

II 2G Ex eb IIC T6, T5, T4 Gb IP66/67

II 2D Ex tb IIIC T85°C, T100°C, T135°C Db IP66/67

### Certificate No.:

ECM 19 ATEX 4808 X

### Applicable Standards:

EN 60079-0:2018, EN 60079-7:2015, EN 60079-31:2014

## Material:

Glass fiber Reinforced Polyester (GRP)

Coating: Natural Black

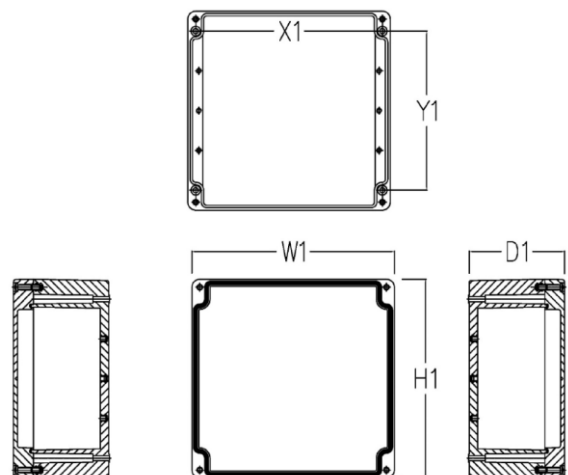
Gasket: Silicon

## Technical Features:

- Cover Screw Stainless Steel 304
- Internal & External Earth Facility
- Internal Earth Plate to Installation of Armored Cable Glands (on Request)
- External Hing for Cover (on Request)



| Type and Dimensions of AE Series (Glass-fiber Reinforced Polyester) |                 |     |     |                       |     |    |
|---------------------------------------------------------------------|-----------------|-----|-----|-----------------------|-----|----|
| Ref. Code                                                           | Dimensions (mm) |     |     | Bracket Mounting (mm) |     |    |
|                                                                     | H1              | W1  | D1  | X1                    | Y1  | Ø1 |
| AE-121209P                                                          | 120             | 122 | 90  | 106                   | 82  | 6  |
| AE-122209P                                                          | 120             | 220 | 90  | 204                   | 82  | 6  |
| AE-161609P                                                          | 160             | 160 | 90  | 140                   | 110 | 6  |
| AE-162609P                                                          | 160             | 260 | 90  | 240                   | 110 | 6  |
| AE-163609P                                                          | 160             | 360 | 90  | 340                   | 110 | 6  |
| AE-252012P                                                          | 250             | 200 | 120 | 230                   | 150 | 6  |
| AE-252512P                                                          | 250             | 255 | 120 | 235                   | 200 | 6  |
| AE-252516P                                                          | 250             | 255 | 160 | 235                   | 200 | 6  |
| AE-402512P                                                          | 400             | 250 | 120 | 380                   | 200 | 6  |
| AE-402516P                                                          | 400             | 250 | 160 | 380                   | 200 | 6  |
| AE-404012P                                                          | 405             | 400 | 120 | 380                   | 355 | 6  |
| AE-602516P                                                          | 600             | 250 | 160 | 200                   | 580 | 6  |



## Material:

Stainless Steel 316L / 304 or Mild Steel

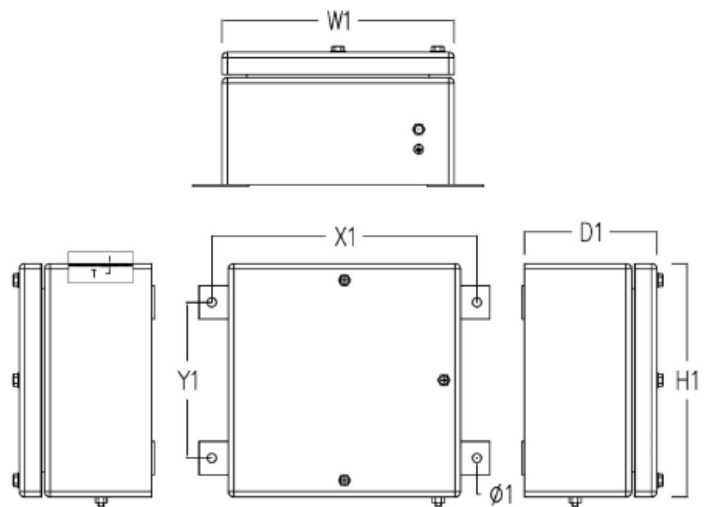
Coating: Natural or Paint as Option

Gasket: Silicon

## Technical Features:

- Cover Screw Stainless Steel 304
- Internal & External Earth Facility
- External Hing for Cover (on Request)

| Type and Dimensions of AE Series (Stainless Steel) |                 |     |     |     |     |                  |     |    |     |
|----------------------------------------------------|-----------------|-----|-----|-----|-----|------------------|-----|----|-----|
| Ref. Code                                          | Dimensions (mm) |     |     |     |     | Bracket Mounting |     |    | THK |
|                                                    | H1              | W1  | D1  | D2  | D3  | X1               | Y1  | Ø1 | T   |
| AE-1212                                            | 120             | 120 | 80  | 100 | 120 | 140              | 72  | 7  | 1.5 |
| AE-1616                                            | 160             | 160 | 80  | 100 | 120 | 180              | 112 | 7  | 1.5 |
| AE-2121                                            | 210             | 210 | 100 | 120 | 150 | 240              | 140 | 9  | 1.5 |
| AE-2616                                            | 260             | 160 | 120 | 150 | 200 | 190              | 190 | 9  | 1.5 |
| AE-2626                                            | 260             | 260 | 120 | 150 | 200 | 290              | 190 | 9  | 1.5 |
| AE-3218                                            | 320             | 180 | 120 | 150 | 200 | 190              | 250 | 9  | 1.5 |
| AE-3030                                            | 306             | 306 | 120 | 150 | 200 | 336              | 236 | 9  | 1.5 |
| AE-3826                                            | 380             | 260 | 120 | 150 | 200 | 290              | 290 | 9  | 1.5 |
| AE-4638                                            | 460             | 380 | 150 | 200 | 300 | 410              | 370 | 9  | 2   |
| AE-5040                                            | 500             | 400 | 150 | 200 | 300 | 430              | 430 | 9  | 2   |
| AE-6245                                            | 620             | 450 | 150 | 200 | 300 | 480              | 480 | 13 | 2   |
| AE-7650                                            | 760             | 500 | 150 | 200 | 300 | 540              | 600 | 13 | 2   |
| AE-9161                                            | 910             | 610 | 150 | 200 | 300 | 650              | 710 | 13 | 2   |
| AE-11071                                           | 1100            | 710 | 150 | 200 | 300 | 810              | 900 | 13 | 2   |





## Material:

Copper free Aluminum

Coating: Gray or Paint as Option

Gasket: Silicon

## Technical Features:

- Cover Screw Stainless Steel 304
- Internal & External Earth Facility
- External Hing for Cover (on Request)

| Type and Dimensions of AE Series (Aluminum alloy) |                 |     |     |                       |     |    |
|---------------------------------------------------|-----------------|-----|-----|-----------------------|-----|----|
| Ref. Code                                         | Dimensions (mm) |     |     | Bracket Mounting (mm) |     |    |
|                                                   | H1              | W1  | D1  | X1                    | Y1  | Ø1 |
| AE-101008A                                        | 100             | 100 | 80  | 66                    | 86  | 6  |
| AE-131008A                                        | 130             | 100 | 80  | 66                    | 116 | 6  |
| AE-131309A                                        | 130             | 130 | 90  | 96                    | 116 | 6  |
| AE-191309A                                        | 190             | 130 | 90  | 96                    | 176 | 6  |
| AE-161609A                                        | 160             | 160 | 90  | 126                   | 146 | 6  |
| AE-191709A                                        | 190             | 170 | 90  | 136                   | 176 | 6  |
| AE-191711A                                        | 190             | 170 | 110 | 136                   | 176 | 6  |
| AE-251909A                                        | 250             | 190 | 90  | 156                   | 236 | 6  |
| AE-282311A                                        | 280             | 230 | 110 | 196                   | 266 | 6  |
| AE-332314A                                        | 330             | 230 | 140 | 190                   | 312 | 6  |
| AE-412311A                                        | 410             | 230 | 110 | 193                   | 392 | 6  |
| AE-413116A                                        | 410             | 315 | 160 | 273                   | 391 | 6  |

