

Metal Enclosures, IP 65



Product Overview

Alston Systems manufactures Metal Enclosures (IP65) in various dimensions which are designed to accommodate various types of switchgear and control gear assemblies to suit a variety of electrical installations in commercial and light industrial premises. Alston Systems metal enclosures are designed for outdoor applications up to IP66, enclosures which offer complete protection against particles, water & other non-corrosive materials.

Specifications

- Complete protection from contact with enclosed equipment.
- Moulded door border with exquisite image and strong intensity.
- All-round polyurethane gasket in the door with good protection.
- Comply with IEC60529\EN60529.10.91 GB4208-93 & CE Standards.
- Complete Protection from dust, oil, water & other non-corrosive material.
- Mounting hole drilled at the back of the enclosure, convenient for wall mounting.
- Multi-folded periphery of the enclosure to avoid water entering into the inner enclosure.
- Custom with door and body are connected by hinge, door can be turned up to 180degree.

Features/Benefits

- Used as low voltage distribution boxes.
- Metal keys and locking mechanism for durability.
- Earthing studs are provided on both the enclosure and the door.
- Easily removable hinges, ideal for changing the door opening direction.
- Optional accessories - Plinth, mounting panel, grid filter, fan, file pocket, head lamp.
- Used where special requirements about corrosion resistance in industrial buildings exist.

Construction Characteristics

- Color - RAL 7032/RAL 7035
- Decreasing, phosphoric & powder coated surface finish
- Made of high quality Cold rolled steel welded frame with strong structure
- Main Parts - 1set frame, 1pc mounting panel, 1pc front door, 1set rear door, 2pc mounting angle, 2pc side panel



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Technical characteristics

- IP code: IP65
- Rated voltage: up to 1000V
- Maximum current: up to 800A
- Cover for the input-output conductors

Ordering Information

| Part Number | Size (mm) | | | Thickness (mm) | | | Number of (pcs) | | | Gland Plate(mm) | | M. Plate (mm) | | Weight (Kg) |
|-------------|-----------|-----|-----|----------------|------|-----|-----------------|------|-----|-----------------|-----|---------------|-----|-------------|
| | H | W | D | Body | Door | M.P | Door | Lock | Key | W | D | H | W | |
| 4810220122 | 200 | 200 | 120 | 1 | 1 | 1.2 | 1 | 1 | 1 | 130 | 50 | 160 | 160 | 2.2 |
| 4810220152 | 200 | 200 | 150 | 1 | 1 | 1.2 | 1 | 1 | 1 | 130 | 50 | 160 | 160 | 2.4 |
| 4815220122 | 250 | 200 | 120 | 1 | 1 | 1.2 | 1 | 1 | 1 | 130 | 50 | 210 | 160 | 2.6 |
| 4815220152 | 250 | 200 | 150 | 1 | 1 | 1.2 | 1 | 1 | 1 | 130 | 50 | 210 | 160 | 2.8 |
| 4810320152 | 300 | 200 | 150 | 1 | 1 | 1.2 | 1 | 1 | 1 | 130 | 50 | 250 | 200 | 3.2 |
| 4810325122 | 300 | 250 | 120 | 1 | 1.2 | 1.5 | 1 | 1 | 1 | 130 | 50 | 250 | 200 | 3.9 |
| 4810325152 | 300 | 250 | 150 | 1 | 1.2 | 1.5 | 1 | 1 | 1 | 180 | 62 | 250 | 200 | 4.2 |
| 4810330152 | 300 | 300 | 150 | 1.5 | 1.2 | 1.5 | 1 | 1 | 1 | 216 | 62 | 250 | 250 | 5.3 |
| 4810430152 | 400 | 300 | 150 | 1.5 | 1.2 | 1.5 | 1 | 1 | 1 | 216 | 62 | 350 | 250 | 6.7 |
| 4810430202 | 400 | 300 | 200 | 1.5 | 1.2 | 1.5 | 1 | 1 | 1 | 216 | 62 | 350 | 250 | 7.4 |
| 4810440152 | 400 | 400 | 150 | 1.5 | 1.2 | 2 | 1 | 1 | 1 | 330 | 100 | 350 | 350 | 8.6 |
| 4810440202 | 400 | 400 | 200 | 1.5 | 1.2 | 2 | 1 | 1 | 1 | 330 | 100 | 350 | 350 | 9.2 |
| 4810540202 | 500 | 400 | 200 | 1.5 | 1.2 | 2 | 1 | 1 | 1 | 330 | 100 | 450 | 350 | 10.9 |
| 4810640122 | 600 | 400 | 120 | 1.5 | 1.2 | 2 | 1 | 1 | 1 | 216 | 82 | 550 | 350 | 14.5 |
| 4810640132 | 600 | 400 | 130 | 1.5 | 1.2 | 2 | 1 | 1 | 1 | 216 | 82 | 550 | 350 | 14.7 |
| 4810640152 | 600 | 400 | 150 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 330 | 100 | 550 | 350 | 12.1 |
| 4810640202 | 600 | 400 | 200 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 330 | 100 | 550 | 350 | 12.7 |
| 4810640252 | 600 | 400 | 250 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 330 | 100 | 550 | 350 | 13.4 |
| 4810650152 | 600 | 500 | 150 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 417 | 120 | 550 | 450 | 14.5 |
| 4810650202 | 600 | 500 | 200 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 417 | 120 | 550 | 450 | 15.2 |
| 4810650252 | 600 | 500 | 250 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 417 | 120 | 550 | 450 | 15.8 |
| 4810660122 | 600 | 600 | 120 | 1.5 | 1.2 | 2 | 1 | 1 | 1 | 216 | 82 | 550 | 550 | 20 |
| 4810660132 | 600 | 600 | 130 | 1.5 | 1.2 | 2 | 1 | 1 | 1 | 216 | 82 | 550 | 550 | 20.3 |
| 4810660152 | 600 | 600 | 150 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 417 | 120 | 550 | 450 | 16.9 |
| 4810660202 | 600 | 600 | 200 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 417 | 120 | 550 | 450 | 17.6 |
| 4810660252 | 600 | 600 | 250 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 417 | 120 | 550 | 550 | 18.8 |
| 4810750202 | 700 | 500 | 200 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 417 | 120 | 650 | 450 | 17.3 |
| 4810750252 | 700 | 500 | 250 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 417 | 120 | 650 | 450 | 18.5 |
| 4810840122 | 800 | 400 | 120 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 216 | 82 | 750 | 350 | 18.4 |
| 4810840132 | 800 | 400 | 130 | 1.5 | 1.2 | 2 | 1 | 2 | 2 | 216 | 82 | 750 | 350 | 18.7 |
| 4810860202 | 800 | 600 | 200 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 750 | 550 | 23.8 |
| 4810860252 | 800 | 600 | 250 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 750 | 550 | 25.2 |
| 4810860302 | 800 | 600 | 300 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 750 | 550 | 30.8 |
| 4810880202 | 800 | 800 | 200 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 750 | 750 | 33 |
| 4810880252 | 800 | 800 | 250 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 750 | 750 | 34.6 |
| 4811060202 | 1000 | 600 | 200 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 950 | 750 | 31.4 |
| 4811060252 | 1000 | 600 | 250 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 950 | 750 | 33 |
| 4811080252 | 1000 | 800 | 250 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 950 | 550 | 42 |
| 4811080302 | 1000 | 800 | 300 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 950 | 550 | 43.8 |

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|------------|------|------|-----|-----|-----|---|---|---|---|-----|-----|-----|------|-------|
| 4811010252 | 1000 | 1000 | 250 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 950 | 750 | 50.9 |
| 4811280252 | 1200 | 800 | 250 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 115 | 750 | 49.4 |
| 4811280302 | 1200 | 800 | 300 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 115 | 950 | 51.4 |
| 4811210252 | 1200 | 1000 | 250 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 115 | 950 | 56.8 |
| 4811210302 | 1200 | 1000 | 300 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 115 | 750 | 62.1 |
| 4811480302 | 1400 | 800 | 300 | 1.5 | 1.5 | 2 | 1 | 3 | 3 | 417 | 120 | 135 | 750 | 59 |
| 4811410302 | 1400 | 1000 | 300 | 1.5 | 1.5 | 2 | 1 | 3 | 3 | 417 | 120 | 135 | 950 | 71.3 |
| 4811680302 | 1600 | 800 | 300 | 1.5 | 1.5 | 2 | 1 | 3 | 3 | 417 | 120 | 155 | 750 | 66.6 |
| 4811610302 | 1600 | 1000 | 300 | 1.5 | 1.5 | 2 | 1 | 3 | 3 | 417 | 120 | 155 | 950 | 80.4 |
| 4811610402 | 1600 | 1000 | 400 | 1.5 | 1.5 | 2 | 1 | 3 | 3 | 417 | 120 | 155 | 950 | 85.6 |
| 4811810302 | 1800 | 1000 | 300 | 1.5 | 1.5 | 2 | 1 | 3 | 3 | 417 | 120 | 175 | 950 | 97 |
| 4811810402 | 1800 | 1000 | 400 | 1.5 | 1.5 | 2 | 1 | 3 | 3 | 417 | 120 | 175 | 950 | 102.5 |
| 4811212252 | 1200 | 1200 | 250 | 1.5 | 1.5 | 2 | 1 | 2 | 2 | 417 | 120 | 175 | 950 | 65 |
| 4821412302 | 1400 | 1200 | 300 | 1.5 | 1.5 | 2 | 2 | 3 | 3 | 417 | 120 | 135 | 1150 | 90.4 |
| 4821412402 | 1400 | 1200 | 400 | 1.5 | 1.5 | 2 | 2 | 3 | 3 | 417 | 120 | 135 | 1150 | 95.6 |
| 4821612402 | 1600 | 1200 | 400 | 1.5 | 1.5 | 2 | 2 | 3 | 3 | 417 | 120 | 155 | 1150 | 107.7 |
| 4821812402 | 1800 | 1200 | 400 | 1.5 | 1.5 | 2 | 2 | 3 | 3 | 417 | 120 | 175 | 1150 | 119.8 |