# IP66 ABS Enclosures
## 120 x 80 x 85mm

**Manufactured from high-grade ABS, this series is lightweight and sturdy with good resistance to chemicals, making them ideal for an array of indoor applications.**

There are 22 sizes to select from, with self-tapping stand-offs and a quick-release fastener which is simply pressed in and locked into the holes in the cover.

Accessories such as mounting plates, mounting rails or terminal blocks are available.

## BELTRONICA

### Features
- ABS (Polycarbonate also available)
- Rated IP66
- Quick release fastener
- Self-tapping stand-offs
- Cost effective

### Specification
- Foamed PUR seal (-40°C to +100°C)
- Self-locking, stainless steel fastener
- Temperature range:  -40°C to +80°C
- Light Grey (RAL 7035)

### Suitable Applications
- Industrial automation - switches, membrane key pads & LCD displays
- Sensors
- Lighting
- Medical apparatus and more

### Bespoke Machining
We can machine, finish, and populate your enclosures in preparation for their installation.

- We will adhere to your timescales and budget
- You will receive engineering support
- We can source all relevant components

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## 120 x 80 x 85mm

## What sizes are available in this range?

| Size (mm)<br>(L x W x H) | ABS<br>Part Number | Size (mm)<br>(L x W x H) | ABS<br>Part Number |
|---|---|---|---|
| 52 x 50 x 35 | 478-050503A-66 | 200 x 120 x 75 | 478-201207A-66 |
| 65 x 50 x 35 | 478-060503A-66 | 200 x 120 x 90 | 478-201209A-66 |
| 82 x 80 x 55 | 478-080805A-66 | 240 x 120 x 100 | 478-241210A-66 |
| 82 x 80 x 85 | 478-080808A-66 | 200 x 150 x 75 | 478-201507A-66 |
| 120 x 80 x 55 | 478-120805A-66 | 240 x 160 x 90 | 478-241609A-66 |
| 120 x 80 x 85 | 478-120808A-66 | 240 x 160 x 120 | 478-241612A-66 |
| 160 x 80 x 55 | 478-160805A-66 | 300 x 230 x 86 | 478-302308A-66 |
| 160 x 80 x 85 | 478-160808A-66 | 360 x 200 x 150 | 478-360215A-66 |
| 122 x 120 x 55 | 478-121205A-66 | 300 x 230 x 110 | 478-302311A-66 |
| 122 x 120 x 85 | 478-121208A-66 | 250 x 160 x 90 | 478-251609A-66 |
| 160 x 120 x 90 | 478-161209A-66 | 250 x 160 x 120 | 478-251612A-66 |

## What are the ABS material properties?

| Material Properties | Unit | ABS |
|---|---|---|
| Density | g/cm³ | 1.05 |
| Impact Resistance | mJ/mm² | 60 |
| Toughness | mJ/mm² | 10 |
| Tensile Strength | N/mm² | 43 |
| Elongation of break | % | 20 |
| Modulus of elasticity (bend test) | N/mm² | 21000 |
| Flexural stress at given strain | N/mm² | 90 |
| Flammability | Class | HB |
| Volume Resitivity | Ohms x cm | $10^{13}$ |
| Surface Resistance | Ohms x cm | $4 \times 10^{14}$ |
| Dielectric Strength | kV/mm | 24 |
| Thermal Conductivity (20°C) | W/mK | 0.18 |

**ABS**

- Lightweight

- Sturdy

- Good chemical resistance

- Cost effective

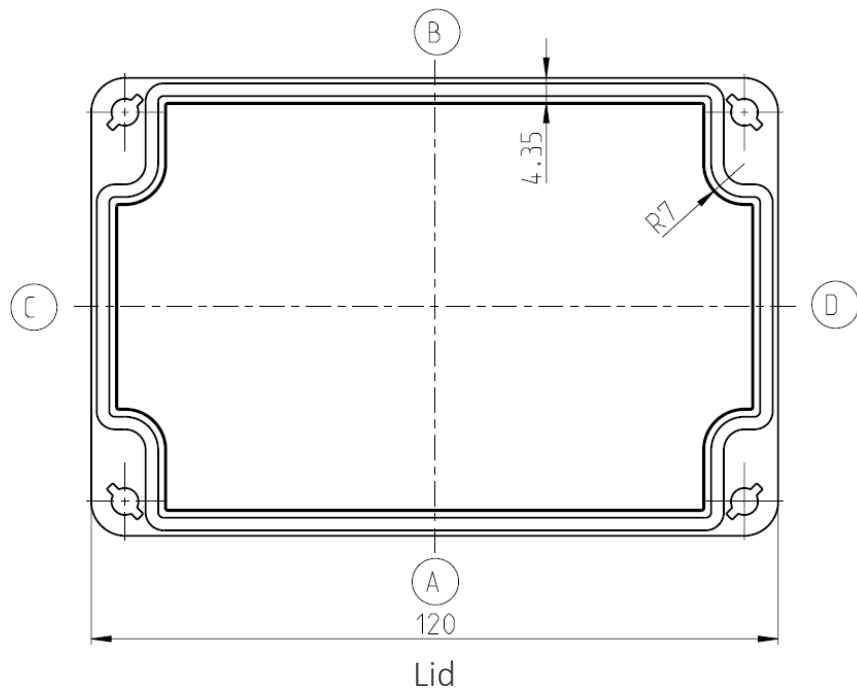- Good insulating properties
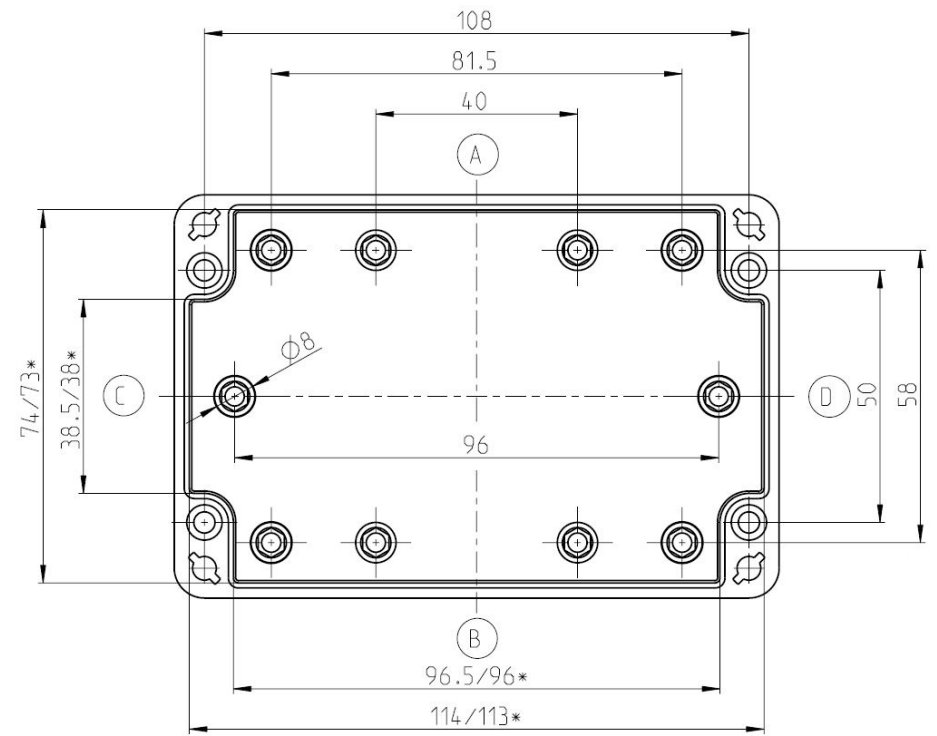
- Easy to machine, paint and colour

Lid

Base



![DELTRON Enclosures logo]
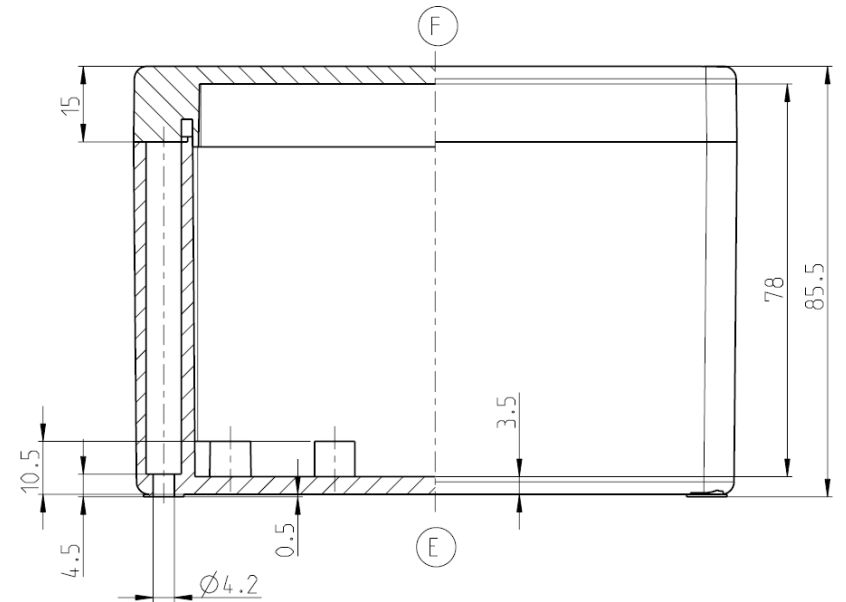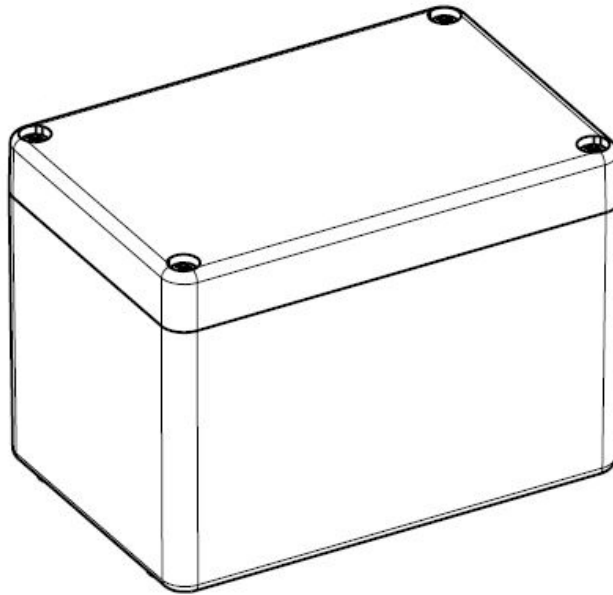
| Part Number | 478-120808A-66 |
| --- | --- |
| Dimensions | 120 x 80 x 85mm |
| Material | ABS |
| IP Rated | IP66 |
| Finish | Plain |