

# IP66 ABS Enclosures

## 160 x 80 x 55mm

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.



### 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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# IP66 ABS Enclosures

## 160 x 80 x 55mm

### What sizes are available in this range?

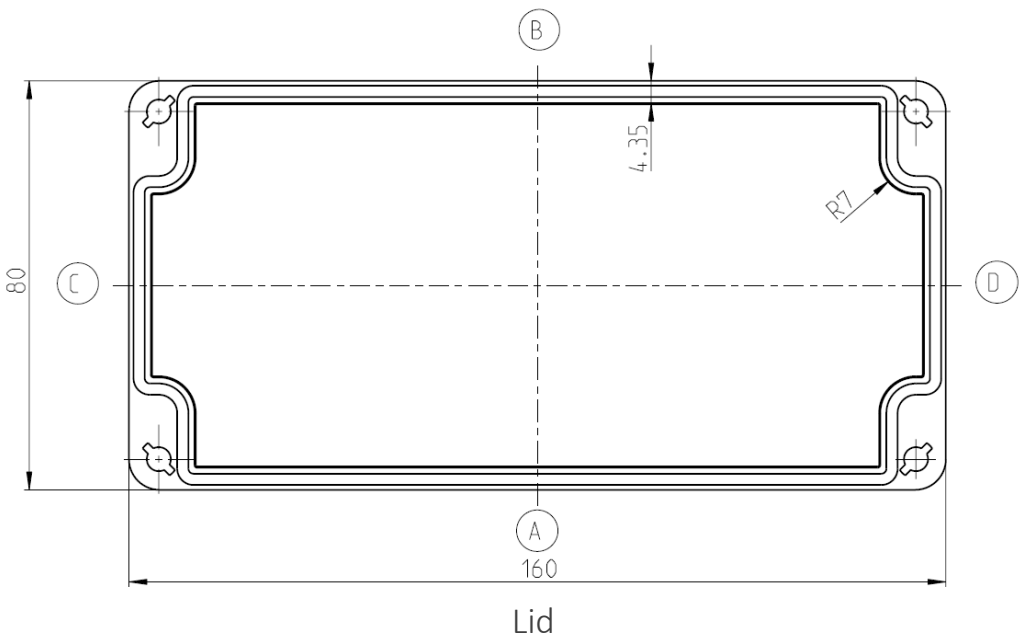
Size (mm) (L x W x H)	ABS Part Number	Size (mm) (L x W x H)	ABS Part Number
52 x 50 x 35	478-050503A-66	200 x 120 x 75	478-201207A-66
65 x 50 x 35	478-060503A-66	200 x 120 x 90	478-201209A-66
82 x 80 x 55	478-080805A-66	240 x 120 x 100	478-241210A-66
82 x 80 x 85	478-080808A-66	200 x 150 x 75	478-201507A-66
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?

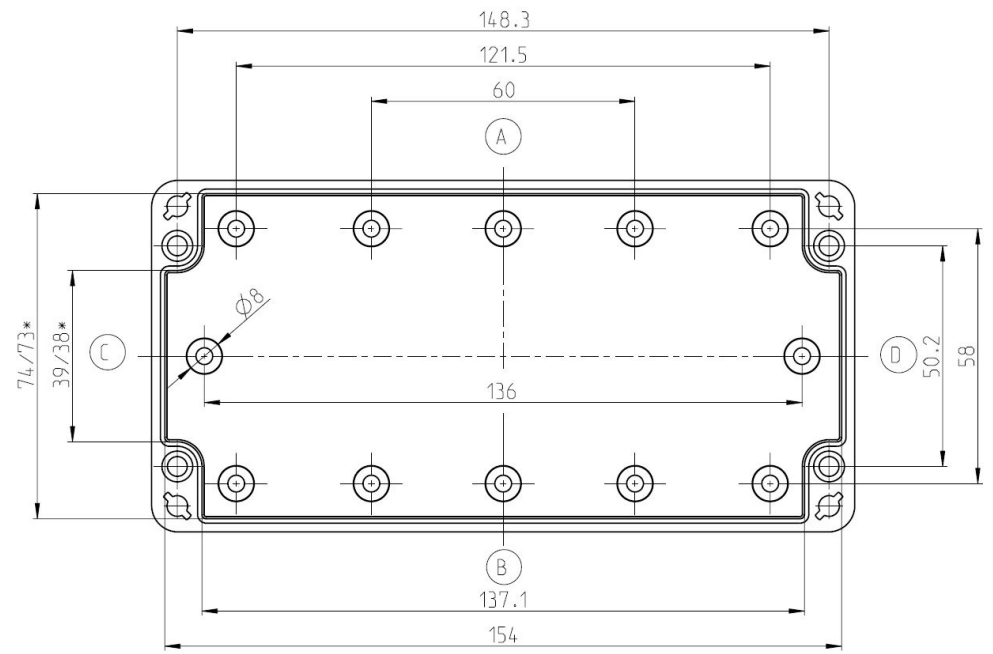
Material Properties	Unit	ABS
Density	g/cm <sup>3</sup>	1.05
Impact Resistance	mJ/mm <sup>2</sup>	60
Toughness	mJ/mm <sup>2</sup>	10
Tensile Strength	N/mm <sup>2</sup>	43
Elongation of break	%	20
Modulus of elasticity (bend test)	N/mm <sup>2</sup>	21000
Flexural stress at given strain	N/mm <sup>2</sup>	90
Flammability	Class	HB
Volume Resistivity	Ohms x cm	10 <sup>13</sup>
Surface Resistance	Ohms x cm	4 x 10 <sup>14</sup>
Dielectric Strength	kV/mm	24
Thermal Conductivity (20°C)	W/mK	0.18

#### ABS

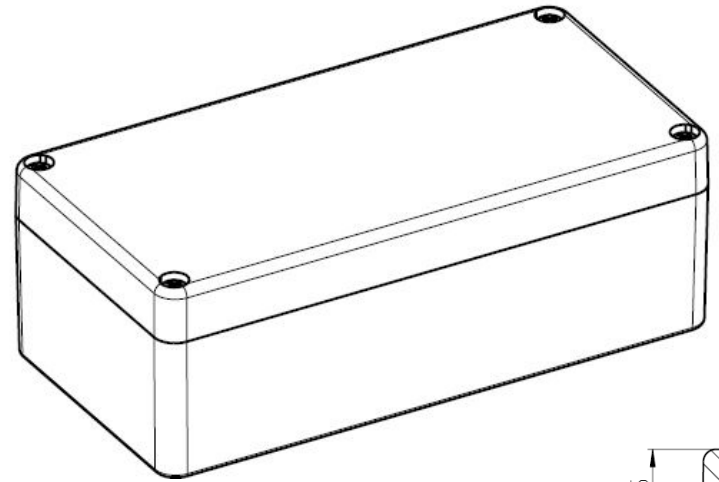
- Lightweight
- Sturdy
- Good chemical resistance
- Cost effective
- Good insulating properties
- Easy to machine, paint and colour



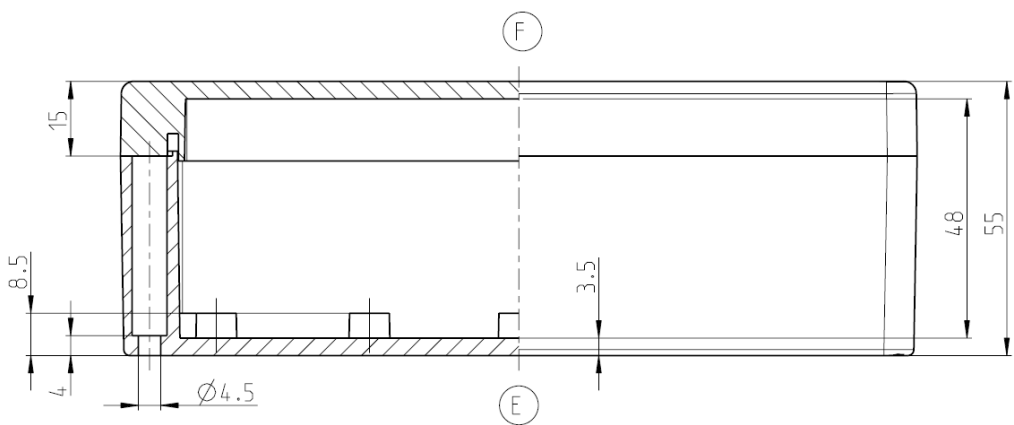
Lid



Base



Part Number	478-160805A-66
Dimensions	160 x 80 x 55mm
Material	ABS
IP Rated	IP66
Finish	Plain



DEM Manufacturing is a division of Alpha 3 Manufacturing Ltd.

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ABS  
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