

Refer Fibox Catalogue

## Aluminium

## Features

- Captive stainless steel screws
- Protection to IP 67/66 & 65
- Each enclosure has 1-4 earth screws depending on size
- Lighter than steel enclosures
- Rigid construction
- High impact resistance
- Good heat sink properties
- Easy earthing
- Good resistance to chemical attack

## Technical data

Protection class	IP 67/66 & 65 (IEC 529)
Temperature range of material	-50 °C to +140 °C
Impact resistance	Excellent
Colour	Grey (RAL 7001)
Chemical resistance	Good
Material	Cast aluminium (AL-Si 12)



The cast aluminium enclosures are excellent for very demanding applications where metal enclosures with high rigidity are required.

## Complete enclosures - Euronorm type AL

Enclosure dimensions in mm (Nominal)					Enclosure	Mounting plates
W	x	H	x	D	Cat. No.	Cat. No.
66	x	60	x	46	AL 060605	N/A
66	x	100	x	46	AL 061005	N/A
66	x	152	x	46	AL 061505	N/A
82	x	77	x	57	AL 080806	AM 0808
81	x	127	x	57	AL 081306	AM 0813
81	x	177	x	57	AL 081806	AM 0818
81	x	252	x	57	AL 082506	AM 0825
125	x	124	x	81	AL 121208 <sup>1)</sup>	AM 1212
125	x	222	x	81	AL 122208 <sup>1)</sup>	AM 1222
125	x	362	x	81	AL 123608 <sup>1)</sup>	AM 1236
162	x	163	x	91	AL 161609 <sup>1)</sup>	AM 1616
162	x	263	x	91	AL 162609 <sup>1)</sup>	AM 1626
164	x	364	x	91	AL 163609 <sup>1)</sup>	AM 1636
164	x	564	x	91	AL 165609 <sup>1)</sup>	AM 1656
234	x	204	x	111	AL 232011 <sup>1)</sup>	AM 2320
230	x	200	x	180	AL 232018 <sup>1) 2)</sup>	AM 2320
234	x	284	x	111	AL 232811 <sup>1)</sup>	AM 2328
230	x	330	x	110	AL 233311 <sup>1) 2)</sup>	AM 2333
230	x	330	x	180	AL 233318 <sup>2)</sup>	AM 2333
230	x	401	x	110	AL 234011 <sup>2)</sup>	AM 2340
230	x	600	x	110	AL 236011 <sup>2)</sup>	AM 2360
316	x	404	x	111	AL 314011	AM 3140
310	x	403	x	180	AL 314018 <sup>2)</sup>	AM 3140
310	x	600	x	110	AL 316011 <sup>2)</sup>	AM 3160
310	x	600	x	180	AL 316018 <sup>2)</sup>	AM 3160
Accessories						Cat. No.
Hinge set						AH A

Notes: <sup>1)</sup> Use hinge set AH A.  
<sup>2)</sup> Protection class IP 65.
















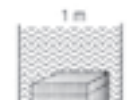
International protection class of enclosures is given in the form of a IP rating or classification.

A common example of an IP rating is IP 65, the first number (6) represents the protection against solid objects. The second number (5) represents the protection level against liquids.

To easily identify what IP rating any of our enclosures carry, look in the top left hand corner of the technical data sheet for each enclosure range.

Below you will find a table outlining how IP ratings are obtained.

### The IP scale

First Number Protection against solid objects			Second Number Protection against liquids		
IP		TEST	IP		TEST
0		no protection	0		no protection
1		protected against solid objects up to 50 mm. eg. accidental touch by hands.	1		protected against vertical falling drops of water.
2		protected against solid objects up to 12 mm eg. fingers.	2		protected against direct sprays of water up to 15° from the vertical..
3		protected against solid objects over 2.5 mm (tools + small wires).	3		protected against spray to 60° from the vertical.
4		protected against solid objects over 1 mm (tools + small wires).	4		protected against water sprayed from all directions - limited ingress permitted.
5		protected against dust - limited ingress permitted (no harmful deposit)	5		protected against low pressure jets of water from all directions - limited ingress permitted.
6		totally protected against dust.	6		protected against strong jets of water eg. for use on shipdecks - limited ingress permitted.
			7		protected against the affects of immersion between 15 cm and 1 m.
			8		protected against long periods of immersion under pressure.