



aluPLUS

IP 66, Optional: IP 67

aluPLUS is a versatile and highly attractive range of diecast aluminium enclosures designed for modern industrial electronics. The range is available in eight industry standard sizes and rated to IP 66 and IP 67. The enclosures can be mounted on a wall or machine, or used as portable instruments.

Design features include a recessed lid, for fitting a membrane keypad or product label, clip-on plastic design covers which hide the lid fixing and mounting screws, and lid retaining straps which keep the lid in place when open. The enclosures can be mounted without opening the lid which means your electronics remain protected at all times. Threaded screw bosses are provided in the base and lid for fitting PCBs, mounting plates, terminal rails etc. An extensive range of accessories and matching cable glands is also available.

We can supply aluPLUS enclosures fully customised to your requirements.

Enclosure sizes
8 sizes

Dimensions from: L x W x H

125 x 84 x 59 mm to 260 x 160 x 90 mm

Additional info
Fastening with closed enclosures

Integrated recess in the lid for membrane keypad or front plates

Optional: Lid supports with integrated stainless steel (V2A) lid screw and plastic (PA6) lid retaining strap.

Clip-on design covers, plastic PBT (polybutylene terephthalate), similar to RAL 7016 anthracite grey

Enclosure
Diecast aluminium alloy

EN AN-44300 DIN EN 1706

(GD Al Si 12/DIN 1725)

1° mould slope for casting ejection > internal circumference dimensions decrease by 1° towards enclosure bottom.

Fastening
Separate screw channels

Internal mounting
M5 fastening thread on the enclosure base and in the lid

Ingress protection
IP 66 / EN 60529

Optional: IP 67 / EN 60529

Gasket
Silicone moulded gasket, temperature resistance: -50°C to +140°C

Optional: Chloroprene O-ring gasket (CR), temperature resistance: -30°C to +90°C

Lid screws
Stainless steel 1.4567, captive









Surface
Powder coating RAL 7035, light grey

Optional: Special colours

Optional: Corrosion protection

Customising
Learn more about our full customising service for installation-ready enclosures

Sizes / Options

Photo	Part-No.	Type	Length	Width	Height	Ingress protection	Gasket	Available Options
	<u>196.082.000</u>	aluPLUS AP 082	125	84	59	IP 66/EN 60529, IP 67/EN 60529	Silicon-gasket	Protection Class IP 67, Supporting rail for series terminals, Mounting plates, Shielding, Corrosion proof coating
	<u>196.083.000</u>	aluPLUS AP 083	175	84	59	IP 66/EN 60529, IP 67/EN 60529	Silicon-gasket	Protection Class IP 67, Supporting rail for series terminals, Mounting plates, Shielding, Corrosion proof coating
	<u>196.100.000</u>	aluPLUS AP 100	100	100	82	IP 66/EN 60529, IP 67/EN 60529	Silicon-gasket	Protection Class IP 67, Supporting rail for series terminals, Mounting plates, Shielding, Corrosion proof coating
	<u>196.102.000</u>	aluPLUS AP 102	160	100	82	IP 66/EN 60529, IP 67/EN 60529	Silicon-gasket	Protection Class IP 67, Supporting rail for series terminals, Mounting plates, Shielding, Corrosion proof coating
	<u>196.120.000</u>	aluPLUS AP 120	122	120	82	IP 66/EN 60529, IP 67/EN 60529	Silicon-gasket	Protection Class IP 67, Supporting rail for series terminals, Mounting plates, Shielding, Lid holders, Corrosion proof coating
	<u>196.122.000</u>	aluPLUS AP 122	220	120	82	IP 66/EN 60529, IP 67/EN 60529	Silicon-gasket	Protection Class IP 67, Supporting rail for series terminals, Mounting plates, Shielding, Lid holders, Corrosion proof coating
	<u>196.161.000</u>	aluPLUS AP 161	160	160	90	IP 66/EN 60529, IP 67/EN 60529	Silicon-gasket	Protection Class IP 67, Supporting rail for series terminals, Mounting plates, Shielding, Lid holders, Corrosion proof coating
	<u>196.162.000</u>	aluPLUS AP 162	260	160	90	IP 66/EN 60529, IP 67/EN 60529	Silicon-gasket	Protection Class IP 67, Supporting rail for series terminals, Mounting plates, Shielding, Lid holders, Corrosion proof coating