



aluTWIN

IP 66, Optional: IP 67

aluTWIN is a range of high-performance dual-chamber diecast aluminium enclosures for heavy duty electronics and electrical equipment.

The design offers the option of installing the electronics and terminals in separate sections to protect them from each other during installation and servicing. The enclosures are based on our aluNORM product range and are weatherproof and watertight to IP 66. Threaded screw bosses are provided inside for fitting circuit boards, mounting plates etc.

We can supply aluTWIN enclosures fully customised to your requirements.

Enclosure sizes
4 sizes

Dimensions: L x W x H

166 x 100 x 55 mm to 240 x 240 x 103 mm

Additional info

Secure connection technology due to the printed circuit boards or series terminals in connection spaces that can be opened separately

Both chambers can be separated with the isolation wall included

Different lid variants

Specially developed external mounting brackets made from diecast aluminium

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

Space-saving single-channel technology for lid and fastening screws outside of the enclosure interior

Internal mounting

Fastening thread in lateral bars on the enclosure base.

Ingress protection

IP 66 / EN 60529

Optional: IP 67

Gasket

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

or TPE moulded gasket, silicone-free, temperature resistance: -40°C to +120°C

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

Lid screws

Stainless steel 1.4567, captive

Surface

Powder coating

Bottom: RAL 7035, light grey

Lid: RAL 7040, window 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
	104.100.000	aluTWIN AT 100	166	100	81			Supporting rail for series terminals, Mounting plates, External mounting brackets, Silicon-gasket, Shielding, Corrosion proof coating, Protection Class IP 67
	104.160.000	aluTWIN AT 160	240	160	103			Supporting rail for series terminals, Mounting plates, Double-bit fastener, External mounting brackets, Silicon-gasket, Hold hinges, Hinges, Shielding, Corrosion proof coating, Protection Class IP 67
	104.162.000	aluTWIN AT 162	240	240	103			Supporting rail for series terminals, Mounting plates, Double-bit fastener, External mounting brackets, Silicon-gasket, Hold hinges, Hinges, Shielding, Corrosion proof coating, Protection Class IP 67
	105.100.000	aluTWIN ATF 100	166	100	55			Supporting rail for series terminals, Mounting plates, External mounting brackets, Silicon-gasket, Shielding, Corrosion proof coating, Protection Class IP 67