



aluDISC

IP 66, IP 67 - Optional: IP 69K

aluDISC is the world's first round diecast aluminium enclosure for industrial electronics. The unique design integrates perfectly with machinery and piping systems. No matter if it is mounted on a wall, to a pipe system or a machine housing, the round aluDISC shape will always make a great impression.

Standard features include IP 66 and IP 67 protection classes, a recessed lid for fitting a membrane keypad or product label, snap-on design covers which hide the lid screws and mounting holes, lid retaining straps, an optional hinged IP 65 transparent cover and screw bosses in the base and lid for fitting PCBs, mounting plates etc. The enclosures can be mounted without opening the lid which means your electronics remain protected at all times. Matching cable glands and other accessories are also available.

We can supply aluDISC enclosures fully customised to your requirements.

Enclosure sizes
4 sizes

Dimensions from: L x W x H

110 x 97 x 55 mm to 190 x 179 x 90 mm

Additional info

Integrated recess in the lid for a membrane keypad, front plate or label

For AR 120: Optional protective cover with hinge mechanism made from transparent polycarbonate (PC),

UV stabilised, UL 94 V-2 – 0,36 ~ 1,9 mm, HB > 1,9 mm, sealable

Clip-on design covers, plastic POM (polyoxymethylene), similar to RAL 7016 anthracite grey

Optional: Lid support, lid screw with plastic element made from stainless steel 1.4567 and polyamide (PA6)

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

Fastening thread on the enclosure base and in the lid

Ingress protection

IP 66, IP 67 / EN 60529

Optional: IP 69K / ISO 20653

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
	280.080.000	aluDISC AR 080	110	97	55	IP 66/67 EN 60529, IP 69K	Silicon-gasket	Protection Class IP 69K, Mounting plates, Shielding, Corrosion proof coating
	280.100.000	aluDISC AR 100	130	119	65	IP 66/67 EN 60529, IP 69K	Silicon-gasket	Protection Class IP 69K, Mounting plates, Shielding, Lid holders, Corrosion proof coating
	280.120.000	aluDISC AR 120	150	139	80	IP 66/67 EN 60529, IP 69K	Silicon-gasket	Protection Class IP 69K, Mounting plates, Shielding, Lid holders, Corrosion proof coating
	280.120.100	AR 120 with protection Cover	150	139	80	IP 66/67 EN 60529, IP 69K	Silicon-gasket	Lid holders, Shielding, Corrosion proof coating, Mounting plates, Protection Class IP 69K
	280.160.000	aluDISC AR 160	190	179	90	IP 66/67 EN 60529, IP 69K	Silicon-gasket	Protection Class IP 69K, Mounting plates, Shielding, Lid holders, Corrosion proof coating