

280.080.000
aluDISC AR 080



technical data

Material	Aluminium
Protection class	IP 66/67 EN 60529, IP 69K
Colour	Light grey RAL 7035
Certifications	CSA (optional), GOST, UL (optional)
Length	110 mm
Width	97 mm
Height	55 mm
Weight (g)	410 g
Country of manufacture	Germany
Customs tariff number	76169910

aluDISC

AN ABSOLUTE ALL-ROUNDER IN EVERY RESPECT

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

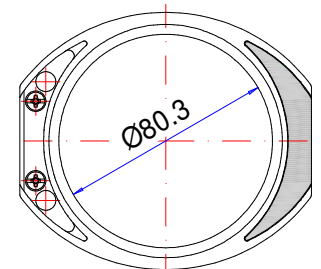
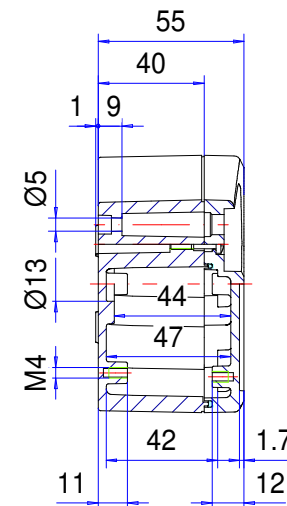
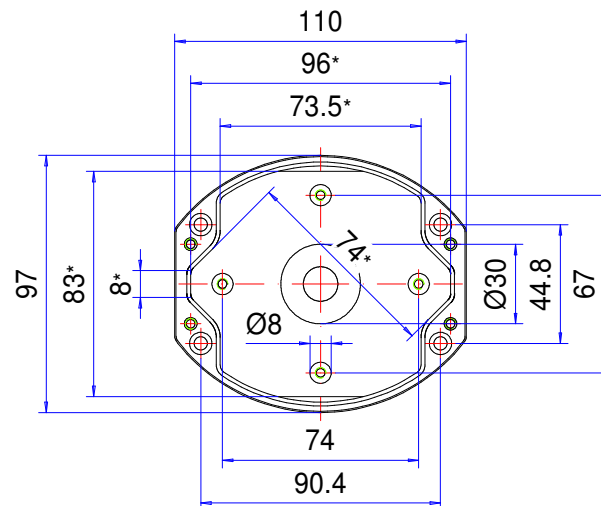
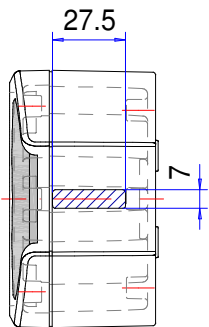
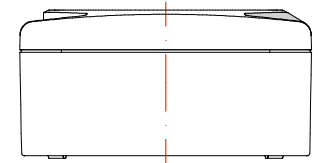
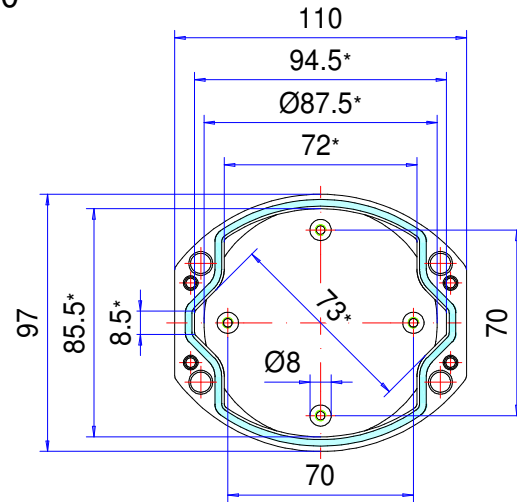
Optional: Corrosion protection

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

Enclosure series aluDISC

Type: AR 080

Material-No.: 280.080.000



Folie/ Keypad
Ø79.7⁺⁰_{-0.2}

* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Enclosure material	EN AC-44300 (DIN EN 1706)		Ingress protection	IP66/67 EN 60529
Lid screws	4x stainless steel 1.4567 (V2A), captive		Weight	410 g
Assembly screws	5x M4x6, galvanized steel		Coating	Powder coating RAL 7035, light grey
Design covers	2x Polyoxymethylene (POM), RAL 7016, anthracite grey		Tolerance	DIN CEN ISO/TS 8062-2 (outside dimensions ±0,5mm)
Gasket	1x moulded gasket, silicone, red			