aluDISC
THE ROUND ELECTRONICS ENCLOSURES

IP 66, IP 67 - Optional: IP 69K

The key product features:
• Enclosure material: diecast aluminum
• Enclosure surface: powder coating, RAL 7035
• Clip-on design covers
• The enclosure can be fastened when the cover is fitted
• Integrated recess to accommodate membrane keypad or front plate
• Lid screws in stainless steel 1.4567
• Enclosure seal: silicone molded gasket

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aluDISC is the world's first round diecast aluminum 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 customized to your requirements.

Enclosure sizes
4

Additional info
Integrated recess in the lid for membrane keypad or front plates
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 gray
Optional: Lid support, lid screw with plastic element made from stainless steel 1.4567 and polyamide (PA6)

Enclosure
Diecast aluminum alloy
EN AN-44300 DIN EN 1706
(GD Al Si 12/DIN 1725)
1° mold 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 molded gasket

Optional: Chloroprene O-ring gasket (CR)

Lid screws

Stainless steel 1.4567, captive

Surface

Powder coating RAL 7035, light gray

Optional: Special colors

Optional: Corrosion protection

Customizing

Learn more about our full customizing service for installation-ready enclosures

Photo	No.	Type	Length L	Width W	Height H	Gasket H	Optional available
	280.080.000	AR 080	110	97	55		- Protection Class IP 69K - Mounting plates - EMC-Shielding - Corrosion proof coating
	280.100.000	AR 100	130	119	65		- Protection Class IP 69K - Mounting plates - EMC-Shielding - Lid holders - Corrosion proof coating
	280.120.000	AR 120	150	139	80		- Protection Class IP 69K - Mounting plates - EMC-Shielding - Lid holders - Corrosion proof coating
	280.120.100	AR 120 with protection cover	150	139	80		- - Lid holders - EMC-Shielding - Corrosion proof coating - Mounting plates - Protection Class IP 69K
	280.160.000	AR 160	190	179	90		- Protection Class IP 69K - Mounting plates - EMC-Shielding - Lid holders - Corrosion proof coating