

## aluDISC

### THE ROUND ELECTRONICS ENCLOSURES

#### IP 66, IP 67 - Optional: IP 69K

##### The key product features:

- Enclosure material: diecast aluminium
- 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 moulded gasket

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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

#### 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

Optional: Chloroprene O-ring gasket (CR)

### **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](#)

| Photo   | No.         | Type                         | Length L | Width W | Height H | Gasket H | Optional available  |
|---|-------------|------------------------------|----------|---------|----------|----------|---|
|  | 280.080.000 | AR 080                       | 110      | 97      | 55       |          | <ul style="list-style-type: none"><li>- Protection Class IP 69K</li><li>- Mounting plates</li><li>- EMC-Shielding</li><li>- Corrosion proof coating</li></ul>                       |
|  | 280.100.000 | AR 100                       | 130      | 119     | 65       |          | <ul style="list-style-type: none"><li>- Protection Class IP 69K</li><li>- Mounting plates</li><li>- EMC-Shielding</li><li>- Lid holders</li><li>- Corrosion proof coating</li></ul> |
|  | 280.120.000 | AR 120                       | 150      | 139     | 80       |          | <ul style="list-style-type: none"><li>- Protection Class IP 69K</li><li>- Mounting plates</li><li>- EMC-Shielding</li><li>- Lid holders</li><li>- Corrosion proof coating</li></ul> |
|  | 280.120.100 | AR 120 with protection cover | 150      | 139     | 80       |          | <ul style="list-style-type: none"><li>- Lid holders</li><li>- EMC-Shielding</li><li>- Corrosion proof coating</li><li>- Mounting plates</li><li>- Protection Class IP 69K</li></ul> |
|  | 280.160.000 | AR 160                       | 190      | 179     | 90       |          | <ul style="list-style-type: none"><li>- Protection Class IP 69K</li><li>- Mounting plates</li><li>- EMC-Shielding</li><li>- Lid holders</li><li>- Corrosion proof coating</li></ul> |