Compact enclosures AK
Rittal offers a powerful midway solution for smaller control units and sub-divisions. Proven a million times over, it also has the correct volume to suit every space requirement.

All AK enclosures have the following approvals:
- UL
- CSA
- TÜV
- Germanischer Lloyd
- Norske Veritas
- Russian Maritime Register of Shipping
- Lloyd’s Register of Shipping
- Bureau Veritas
- VDE

<table>
<thead>
<tr>
<th>W mm</th>
<th>H mm</th>
<th>D mm</th>
<th>Model No. AK</th>
<th>Page</th>
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<tbody>
<tr>
<td>600</td>
<td>1200</td>
<td>400</td>
<td>1646.600</td>
<td>84/85</td>
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<td>800</td>
<td>1200</td>
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<td>1000</td>
<td>1400</td>
<td>400</td>
<td>1647.600</td>
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<tr>
<td>1200</td>
<td>1200</td>
<td>400</td>
<td>1652.600</td>
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The sealed two-part gland plates are easily removed and can also be fitted with a self-adhesive foam rubber cable clamp strip (see page 893).

The standard double-bit lock insert is easily exchanged for any standard type A 27 mm lock insert and Ergoform-S lock system.

Holes are provided in the top to accommodate eyebolts.

The robust, space-saving hinges with captive pins guarantee a door opening angle of 130°. Easily converted to 180° hinges (see page 949).

The high floor clearance of 33 mm eliminates the need for an additional base/plinth in many applications.

The 800 and 1200 mm wide enclosures can be integrated into AP console systems, additional holes are required.
COMPACT ENCLOSURES AK

1. Vertically arranged perforated mounting strips on the door for quick, easy attachment of cable supports, cable trunking, stiffeners and covers.

2. Electrophoretic dipcoat priming and powder coating – the safe form of surface protection, with uniform coating of all corners and edges in textured RAL 7032.

3. Door hinge may be swapped from right to left in all single-door enclosures, by simply unscrewing and re-positioning the hinges. Double doors may also be swapped.

4. The multi-folded enclosure aperture is angled upwards and provides increased stability and greater protection against dust and moisture when opening the door.

5. Facilities for PE conductor connection on the enclosure and door with contact washers.

6. The mounting plate, which is secured with studs, is easily removed and refitted.

7. The 2-part, zinc-plated gland plates are easily removed and retro-fitted with the rubber cable clamp strip SZ 2573.000.

8. Smooth-action locking rod with waterproof double-bit insert to DIN 43 668. Easily exchanged for any standard lock insert and the Ergoform-S lock system.

9. Foamed seal on the inside of the door ensures protection category IP 55 to EN 60 529/10.91.

10. The robust, space-saving hinges do not protrude into either the door opening or the enclosure interior. Easily converted to 180° with hinges SZ 2579.000.
### Model No.

| Model No.          | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | H1 | H2 | H3 | H4 | H5 | F1 | F2 | G1 | G2 |
|--------------------|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|
| AK 1646.600        | 600| 500| 524| 597| 459| 443| –  | –  | –  | –   | 1200| 1166| 1092| 568| 38 x 25 = 950| 514| 475| 1125| 550 |
| AK 1648.600        | 800| 700| 724| 797| 659| 643| –  | –  | –  | –   | 1200| 1166| 1092| 568| 38 x 25 = 950| 714| 675| 1125| 550 |
| AK 1652.600        | 1200| 1100| 1124| 1197| 513| 497| 477| 461| 595| 597 | 1200| 1166| 1092| 568| 38 x 25 = 950| 1114| 1075| 1125| 550 |
| AK 1650.600        | 1000| 900| 924| 997| 413| 397| 377| 361| 495| 497 | 1200| 1166| 1092| 568| 46 x 25 = 1150| 914| 437.5| 1125| 550 |
| AK 1647.600        | 1000| 900| 924| 997| 413| 397| 377| 361| 495| 497 | 1400| 1366| 1292| 668| 46 x 25 = 1150| 914| 437.5| 1325| 650 |

### Accessory grades

**Model No.**

- **AK 1646.600:**
  - Mounting plate: AK 1646.600, AK 1648.600, AK 1647.600:
  - Mounting plate: AK 1652.600, AK 1650.600, AK 1647.600:

**Dimensions (in mm):**

- **Height (H1):**
  - 1200
- **Depth (B2):**
  - 1200
- **Model No. AK:**
  - 1

**Accessories for external mounting:**

- **Baseplate:**
  - Height 100 mm
  - Height 200 mm
  - Height 300 mm
- **Mobile base on castors SO:**
  - 1
- **Eyebolts SZ:**
  - 4

**Accessories interior installation:**

- **Cable clamp rails:**
  - 3

**Lock systems:**

- Standard double-bit lock insert may be exchanged for 27 mm lock inserts, type A – see page 942
- Ergoform-S lock system – see page 939

**For primed enclosures in RAL 7044, please add extension .800 to the Model No. For textured RAL 7035, use extension .500.**

**Delivery times available on request.**
Connection component
with circuit-breaker 10 A.
To supply system lights.
Model No. see page 999.

Signal pillar
For system monitoring.
Model No. see page 1000.

Material:
Sheet steel
Enclosure: 1.5 mm
Door(s): 2.0 mm
Mounting plate: 3.0 mm

Surface finish:
Enclosure and door(s):
Dipcoat primed in RAL 7044,
powder coated on the outside
in textured RAL 7032
Mounting plate: Zinc-plated

Protection category:
IP 55 to EN 60 529/10.91
Complies with NEMA 12.

System window to protect
against unauthorised
access and preserve the
protection category.
Model No. see page 928.

Accessories:
See page 876/877
or refer to index.