Features

- The range is available in seven sizes, ranging from 315 x 215 to 1035 x 835 mm.
- The cabinets are made of light-grey (RAL 7035) hot moulded, glass fibre reinforced polyester, dyed in mass. The enclosure is furnished with four threaded studs and bolts for mounting plate or mounting frame installation.
- The enclosure provides total insulation and a protection degree of IP65/66 following EN/IEC 62208.
- Protection degree IK08 against external mechanical impacts according to EN/IEC 62208 (IK07 for cabinets with glazed door).
- Resists temperatures from -25°C up to 70°C in continuous use (peak temperatures up to 130°C).
- Self extinguishing and halogen-free.
- Rated insulation voltage Ui = 1000V.

Applications

- Heavy industry
- Steel mills
- Petrochemical plants
- Temporary connection (for construction sites)
- Brewery
- Public services
- Street signalisation
- Telecom
- Photovoltaic energy

Overview of the range: Page B.3
Dimensional drawings: Page I.20
Specifications for tender documents: Page I.53
Power dissipation values: Page I.70
Housing in one piece
Removable door: left- or right-hand hinged (not for version with swing-handle)
Slightly curved gasket-slot avoiding water stagnation
Fixing points at rear of door
Cover plate:
  - polyester RAL 7035
  - hinged (hinge set B31010 needed)
  - independent
  - reversible (30 mm different build-in depth)
  - sealable
  - with 90° locking pin
Three point closing system with one lock. Exchangeable locks.
Independent rail for terminal blocks
Mounting frame
  - removable
  - predrilled
  - reinforced DIN-rails
Integrated hinges.
  Door opens 180°
Mounting plate
  - metal
  - hard paper
  - perforated
Direct wall fixing points or wall fixing lugs in plastic material or stainless steel.
ARIA

Insulated wall mounting cabinets

- Monobloc type of cabinet
- In and outdoor use
- 7 dimensions 315 x 215 x 170 up to 1035 x 835 x 300 mm
- 1, 2 or 3 point locking mechanism
- Glass fibre reinforced polyester
- Protection degree IP65/66-IK08 (plain door)
- Fitted for mounting plate and modular mounting frame
- Wall mounting/pole fixing
- Approvals: UL/CSA/Lloyd’s Register

Self-adhesive rainhood
(as a standard accessory with each cabinet)
avoiding dripping water drops while opening the door

Mounting frame with individual modular cover plates for DIN-rail equipment
150 mm between centres, up to 180 modules!
Closed cover plates for mounting plate assembly.

Construction
Petrochemicals
Conveyer belts
Ergonomic closing mechanism
- Various lock inserts and handles available
- Can also be operated by swing-handle for profile half cylinder

Patented doorlifter for bigger dimensions (ARIA 75 and larger) ensuring the door takes its center position during closing

Durable polyurethane gasket
**Universal polyester cabinets**

<table>
<thead>
<tr>
<th>Type</th>
<th>ARIA 32</th>
<th>ARIA 43</th>
<th>ARIA 54</th>
<th>ARIA 64</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>IP65 - IK08</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With double bit lock 3 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ref. No.</td>
<td>-</td>
<td>-</td>
<td>831809</td>
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<tr>
<td></td>
<td></td>
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<td>2-point</td>
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<tr>
<td>Cabinet</td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>IP66 - IK08</strong></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>With central double bit lock 3 mm</td>
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<tr>
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<td>831025(1)</td>
<td>831036</td>
<td>831052</td>
<td>831065</td>
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<tr>
<td></td>
<td>1 point locking mechanism, no closing rod</td>
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<td></td>
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</tr>
<tr>
<td>Cabinet</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td><strong>IP66 - IK07</strong></td>
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<tr>
<td>With central swing handle for profile half cylinder</td>
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</tr>
<tr>
<td>Ref. No.</td>
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<tr>
<td>Cabinet</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td><strong>IP65 - IK07</strong></td>
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<td></td>
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<tr>
<td>With double bit lock 3 mm</td>
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<tr>
<td>Ref. No.</td>
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<td>-</td>
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<tr>
<td>Cabinet</td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>IP66 - IK07</strong></td>
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<td></td>
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<tr>
<td>With central double bit lock 3 mm</td>
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<tr>
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<td>Cabinet</td>
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<td></td>
</tr>
<tr>
<td><strong>IP66 - IK07</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With central swing handle for profile half cylinder</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Ref. No.</td>
<td>-</td>
<td>-</td>
<td>831284</td>
<td>831285</td>
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</table>
### Applications

- Industry
- Steel works
- Oil refineries
- Breweries
- Shipyards
- Public utilities
- Photovoltaic energy
- Heavy industry
### Universal polyester cabinets - Accessories

<table>
<thead>
<tr>
<th>Type</th>
<th>ARIA 32</th>
<th>ARIA 43</th>
<th>ARIA 54</th>
<th>ARIA 64</th>
</tr>
</thead>
<tbody>
<tr>
<td>H x W x D</td>
<td>315 x 215 x 170</td>
<td>415 x 315 x 170</td>
<td>515 x 415 x 230</td>
<td>615 x 415 x 230</td>
</tr>
</tbody>
</table>

#### Mounting plates
- **Hard paper 5 mm**
  - Ref. No.: 831027
- **Sendzimir zinc coated sheet steel 2 mm**
  - Ref. No.: 831026
- **Metal perforated 1.5 mm**
  - Ref. No.: 831332

<table>
<thead>
<tr>
<th>Type</th>
<th>ARIA 32</th>
<th>ARIA 43</th>
<th>ARIA 54</th>
<th>ARIA 64</th>
</tr>
</thead>
<tbody>
<tr>
<td>H x W</td>
<td>250 x 150</td>
<td>350 x 250</td>
<td>650 x 350</td>
<td>550 x 350</td>
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<tr>
<td>Ref. No.</td>
<td>831030</td>
<td>831041</td>
<td>831057</td>
<td>831070(1)</td>
</tr>
</tbody>
</table>

#### DIN-rails
- Modules: 2, 12, 24, 54, 54

#### Rail for terminal blocks
- Available spaces for terminal: 2, 3, 4, 4

#### Full cover plates
- **Plain**
  - Ref. No.: 831028
- **With cut-outs for DIN-rail equipment**
  - Ref. No.: 831029
- **With cut-out for individual modular cover plates**
  - Ref. No.: 831790
- **Number of ind. mod. cover plates containable**
  - -

<table>
<thead>
<tr>
<th>Type</th>
<th>ARIA 32</th>
<th>ARIA 43</th>
<th>ARIA 54</th>
<th>ARIA 64</th>
</tr>
</thead>
<tbody>
<tr>
<td>H x W</td>
<td>-</td>
<td>150 x 239</td>
<td>150 x 343</td>
<td>150 x 343</td>
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<tr>
<td>Ref. No.</td>
<td>-</td>
<td>831797</td>
<td>831799</td>
<td>831801</td>
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</tbody>
</table>

#### Individual modular cover plates
- **IP20 (PVC)**
- **Plain**
  - Ref. No.: -
- **With cut-out for DIN-rail equipment**
  - Ref. No.: -
- **Modules**
  - - 12, 17, 18

---

Pack: 1
1(1) Cover plate for ARIA 64 with 3 open and one closed cut-out: 831806 - 72TE
Mounting frame for ARIA 64 with 4 DIN-rails 831807 - 72TE
The cabinets ARIA 43 and 86 as well as ARIA 64 and 108 contain the same individual modular cover plates (plain and with cut-out).
**Common accessories**

- **Lock inserts**
  - To replace double-bit inserts from standard delivery
  - 831008 1
    - 3 mm
  - 831005 1
    - 8 mm
  - 831006 1
    - 8 mm
  - 831007 1
    - 11 mm
  - Other locks on request.

- **Fixing lugs**
  - 831000 1
    - Set of 4 fixing lugs.
    - 304 stainless steel.
  - 831001 1
    - Set of 4 fixing lugs in polyamide.

- **Hinge supports for inner door**
  - 831010 1
    - Set of 2 hinge supports for cover plate.
    - Together with a closed cover plate an inner door can be realised.

- **Handles**
  - 831003 1
    - Neutral handle
  - 831004 1
    - Handle with lock and 2 keys V2432-E
  - 831180 1
    - Handle with lock and 2 keys 1242-E
  - 831152 1
    - Handle with lock and 2 keys 405E
  - 831153 1
    - Handle with lock and 2 keys 455E
  - 831821 1
    - Handle for profile half cylinder, 40 mm
    - (As spare part or replacement for ARIA 54 and larger - in case of new replacing double-bit lock a mechanical operation at the door is necessary)
  - 843000 1
    - Handle for profile half cylinder, 45 mm
    - (As spare part or replacement for ARIA 54 and larger - in case of new replacing double-bit lock a mechanical operation at the door is necessary)
  - 831822 1
    - Handle for profile half cylinder for padlocking (As spare part or replacement for ARIA 54 and larger - in case of new replacing double-bit lock a mechanical operation at the door is necessary).

- **Profile half cylinder locks**
  - Standard: D = 40 mm - L = 30,5 mm
  - 832030 1
    - With 2 keys V2432-E
  - 832741 2
    - Spare keys for 832030
  - 832031 1
    - With 2 keys 1242-E
  - 832465 1
    - With 2 keys 405E
  - 832466 1
    - With 2 keys 455E
  - 832032 1
    - With 1 square key, 8 mm
  - 832033 1
    - With 1 triangular key, 8 mm
  - 832034 1
    - With 1 triangular key, 11 mm
  - 832029 1
    - With 1 double-bit key, 3 mm

- **Ventilation grids**
  - 831009 1
    - (IP44 when mounted in the double corner on ARIA)
    - Set of two ventilation grids
    - Drilling Ø 34,9 mm
  - Please refer to chapter “Climate control” for more ventilation options.
### Common accessories (continued)

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Supporting chair</strong></td>
<td>891854</td>
<td>For ARIA 75 and 86, for temporary connections</td>
</tr>
<tr>
<td><strong>Pole mounting set</strong></td>
<td>891608</td>
<td>For ARIA 54/64</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stainless steel fixing lugs are included. Pole mounting with steel band not included</td>
</tr>
<tr>
<td><strong>Branch terminals</strong></td>
<td>610185</td>
<td>6 x 10 mm$^2$ + 2 x 16 mm$^2$</td>
</tr>
<tr>
<td></td>
<td></td>
<td>to clip on 12 x 2 mm bar</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Phase bar - black</td>
</tr>
<tr>
<td></td>
<td>610186</td>
<td>Earth bar - green</td>
</tr>
<tr>
<td></td>
<td>610187</td>
<td>Neutral bar - blue</td>
</tr>
<tr>
<td><strong>Blanking plate</strong></td>
<td>610142</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For 4 modules</td>
</tr>
<tr>
<td></td>
<td>610484</td>
<td>500</td>
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<tr>
<td></td>
<td></td>
<td>For 4 modules</td>
</tr>
<tr>
<td><strong>Marking strip</strong></td>
<td>851321</td>
<td>1m</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Self adhesive</td>
</tr>
<tr>
<td><strong>Document pocket</strong></td>
<td>811516</td>
<td>1</td>
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<tr>
<td></td>
<td></td>
<td>DIN A4 - W x H = 210 x 297 mm</td>
</tr>
<tr>
<td></td>
<td>832000</td>
<td>1</td>
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<tr>
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<td>DIN A5 - W x H = 148 x 210 mm</td>
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<tr>
<td><strong>Nuts</strong></td>
<td>831328</td>
<td>50</td>
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<td></td>
<td>M4</td>
<td>For perforated mounting plates</td>
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<tr>
<td></td>
<td>831329</td>
<td>50</td>
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<tr>
<td></td>
<td>M5</td>
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<td>831330</td>
<td>50</td>
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<td>M6</td>
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<td><strong>Hinge pins (spare part)</strong></td>
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<td>Length 66 mm, for ARIA 32</td>
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<td>831652</td>
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<tr>
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<td>Length 100.5 mm, for ARIA 43, 54 and 64</td>
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<tr>
<td></td>
<td>831953</td>
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<tr>
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<td>Length 131.5 mm, for ARIA 75, 86 and 108</td>
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<tr>
<td><strong>Concrete base</strong></td>
<td>891508</td>
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<tr>
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<td>Suitable for ARIA 54 and ARIA 64</td>
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</table>