Ditec DAB205

It offers great power and maximum control for performance that is always reliable and safe

Performance
- Up to 315 kg door weight in push-arm version. The servo-assisted motor with spring guarantees a reliable closing movement while the encoder offers perfect control of the kinematic movement.
- Strong steel mechanical components and the long-lasting Dunker motor guarantee exceptional operator reliability. Ditec DAB205 has been tested up to 1 M cycles.
- Perfect dynamic control also for bi-parting doors, it offers many possibilities for managing movement (overlap, contact, no contact, double exit).

Easy to use
- Very easy to configure: a single operator suitable for all applications and 2 different arms, push and pull, also for fire-door applications.
- Many mechanical accessories, like shaft and arm extensions, to adapt the operator perfectly to the wall and to the door position.
- Configuration diagrams are available (DAB905ESA and DAB905ESE) to add functions and other operating modes if necessary.
- Large choice of operating modes, such as PUSH & GO and power assist, to meet the various different needs of the market.

Safety
- DAB205 complies all European standards and directives, including standard EN 16005.
- Safety can also be guaranteed by the use of monitored safety sensors.
- In case of power failure a reliable battery kit is available which guarantees the continuous operation of the operator over time (optional).
- Thanks to an external LED which shows the status of the door and a specific LED for fire alarm status (both optional): a clear warning also for the end user in all cases of possible failure.

Movement arms
- DAB805PSA2: Arm with articulated motion.
- DAB805PLA2: Arm with sliding motion.

Specific accessories
- DAB905MSW: switch kit for electro-mechanical locking (compulsory for fire doors).
- DAB905LED: LED alarm signal kit.
- DAB905RSD: RESET Kit and fire-alarm indication.

Technical specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Ditec DAB205</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum performances [PUSH]</td>
<td>315 kg x 1.2 m</td>
</tr>
<tr>
<td>Service index</td>
<td>5 – heavy duty</td>
</tr>
<tr>
<td>Lifecycle</td>
<td>1,000,000 cycles</td>
</tr>
<tr>
<td>Power supply</td>
<td>110-230 V AC / 50-60 Hz</td>
</tr>
<tr>
<td>Power input</td>
<td>1 A</td>
</tr>
<tr>
<td>Opening time</td>
<td>2.5 + 12 s [0°-80°] (adjustable)</td>
</tr>
<tr>
<td>Closing time</td>
<td>4 + 12 s [90°-10°] (adjustable)</td>
</tr>
<tr>
<td>Hold open time</td>
<td>1.5÷30 s</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-20°C / +45°C (-10°C / +50°C with batteries)</td>
</tr>
<tr>
<td>Protection level</td>
<td>IP 20</td>
</tr>
<tr>
<td>Product dimensions mm (H x D x L)</td>
<td>111x131x720</td>
</tr>
<tr>
<td>Operator weight</td>
<td>16 kg</td>
</tr>
<tr>
<td>Control panel</td>
<td>built-in</td>
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</tbody>
</table>

Control accessories and sensors
The automation system can be completed with Ditec command, control and safety devices.
To select appropriate items, please refer to the PM general price list.
### Installation type

- **Battery kit (optional)**
- **Motor + electronic panel**
- **Opening sensor**
- **Safety sensor**
- **Locking device**
- **Push button (open/close)**

### Operation diagram

The diagram is calculated using the following formula:

\[ J = \frac{1}{3} \times \text{wing weight} \times \text{wing length}^2 \]

- **Max. inertia:** PUSH version (arm DAB805PSA2) = 160 kgm²
- **PULL version** (arm DAB805PSA2) = 80 kgm²

### Relevant Directives and Standards

- **MD** Machine Directive
- **EMCD** Compatibility Directive Electromagnetic
- **LVD** Low Voltage Directive
- **EN 16005** User Safety Standard
- **FIRED TESTED SP SITAC**