Ditec DAB105

Ditec DAB105 ensures access without barriers and ease of operation

Performance
Powerful and compact operator capable of satisfying the needs of high traffic doors, and also special requirements for emergency exits and fire doors, in complete compliance with most of European regulations.

- High performance with up to 90 kg door weight and mechanic servo-assisted operator, encoder controlled
- Reliable operator: strong components and real time self monitoring of the operator status
- Safety guaranteed by technological features, SOS alert system when opening, motion detection safety signal
- Very low noise level
- Many additional advanced features make Ditec DAB105 a best in class product.

Safe & reliable
Safe and convenient access without barriers, in compliance with the strict requirements of public sector, also thanks to its LOW ENERGY mode.

- Several operating modes to match different demands (PUSH & GO, power assist, key impulse)
- Low Energy mode and battery kit available
- Convenient operator control via sensors, switch, program and key selectors
- Ditec DAB105 has obtained certification for use on fire doors from the SP SITAC Organisation (certificate number SC0250-14). For more details, contact our Technical Sales Office.

Convenient & flexible
Modern buildings require applications that are flexible and adaptable to any need: Ditec DAB105 meets these requirements.

- Easy to install, to set, and to maintain: available PUSH or PULL configurations
- Easy program selection to expand functions (with a card) if necessary
- One operator matches specific installation requirements (double leaf doors, installations in presence of wind, key controlled access)
- Easy to order: 1 item alone includes operator + cover (just add arm)
- Power assisted: the entire opening operation is carried out by low, motor assisted power making it an ideal solution for users with or without disabilities.

Movement arms

DAB805PSA – PSAF
Arm with articulated motion.

Articulated - DAB805PSA – PSAF

DAB805PLAT
Arm with three-sections articulated motion for doors that open inward; automation seen from the side.

Articulated in three sections - DAB805PLAT

DAB805PLA – PLAB
Arm with sliding motion. PLAB is for anti-panic breakout systems.

Sliding - DAB805PLA

DAB805PLAT – PLAB
Arm with articulated motion for doors that open inward; automation seen from the side.
Battery kit (optional)

Program selector

Motor + electronic panel

Safety sensor

Opening sensor

Locking device

Push button (open/close)

Base plate

Control unit

Battery kit

Shaft extension kit for arms

Program selector

ON/OFF/HOLD OPEN

Shaft extension kit for arms

Battery kit

Base plate

Control unit

Motor

Encoder

Cover

Specific accessories
- DAB905BAT: battery kit
- COM400MHB: mechanical switch program selector
- COM400MKB: mechanical key program selector

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

Relevant Directives and Standards

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<tr>
<th>Directive</th>
<th>Description</th>
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<tbody>
<tr>
<td>MD</td>
<td>Machine Directive</td>
</tr>
<tr>
<td>EMCD</td>
<td>Compatibility Directive Electromagnetic</td>
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<td>LVD</td>
<td>Low Voltage Directive</td>
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<td>EN 16005</td>
<td>User Safety Standard</td>
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<td>SP SITAC</td>
<td>FIRED TESTED</td>
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Technical specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Ditec DAB105</th>
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<tbody>
<tr>
<td>Maximum capacity</td>
<td>90 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>120–230 V AC / 50–60 Hz</td>
</tr>
<tr>
<td>Power input</td>
<td>0.5 A</td>
</tr>
<tr>
<td>Opening time</td>
<td>3 + 6 s/(0-80°) (adjustable)</td>
</tr>
<tr>
<td>Closing time</td>
<td>3 + 6 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</td>
<td>111x131x720</td>
</tr>
<tr>
<td>Control panel</td>
<td>built-in</td>
</tr>
</tbody>
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Operation diagram

The diagram is calculated with the following formula:
\[ J = \frac{1}{3} \times \text{door leaf weight} \times \text{door leaf width}^2 \]
Max. inertia: PUSH version (arm DAB805PSA) = 45 kgm²
PULL version (arm DAB805PLA) = 16 kgm²

Specified accessories
- DAB905BAT: battery kit
- COM400MHB: mechanical switch program selector
- COM400MKB: mechanical key program selector

Dimensions

[Image of dimensions diagram]