Product data sheet

TSA 160 NT

Electro-hydraulic swing door drive for single leaf doors up to 250 kg
Product features

- Closing force with variable adjustment EN3-6
- Opening and closing speed can be individually adjusted
- Hydraulic latching action which accelerates the door shortly before the closed position
- Mechanical and electrical closing sequence control holds the active leaf in the waiting position until the passive leaf is closed
- Vestibule function controls the opening and closing of two consecutive doors (interlocking door system)
- Integrated back check, slows down doors that are thrown open forcefully
- Automatic reversing detects an obstacle and returns to the opening position
- Push & Go function triggers the automatic drive components following light manual pressure on the door leaf
- Drive can be used with roller guide rail or link arm

Application Areas

- Right and left single leaf single-action doors
- Single-action doors up to 1400 mm leaf width or 250 kg weight
- Interior and exterior doors with high access frequency
- Door leaf installation and transom installation

Product Data Table

<table>
<thead>
<tr>
<th>Product features</th>
<th>TSA 160 NT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>100 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>121 mm</td>
</tr>
<tr>
<td>Leaf weight (max.)</td>
<td>250 kg</td>
</tr>
<tr>
<td>Hinge clearance (min.-max.) 2-leaf</td>
<td>1470 mm - 2800 mm</td>
</tr>
<tr>
<td>Leaf width (min.-max.)</td>
<td>690 mm - 1400 mm</td>
</tr>
<tr>
<td>Reveal depth (max.)*</td>
<td>400 mm</td>
</tr>
<tr>
<td>Door overlap (max.)*</td>
<td>20 mm</td>
</tr>
<tr>
<td>Drive type</td>
<td>Electrohydraulic</td>
</tr>
<tr>
<td>Door opening angle (max.)*</td>
<td>115 °</td>
</tr>
<tr>
<td>Spring pre-load**</td>
<td>EN3 - EN6</td>
</tr>
<tr>
<td>DIN left</td>
<td>Yes</td>
</tr>
<tr>
<td>DIN right</td>
<td>Yes</td>
</tr>
<tr>
<td>Transom installation opposite hinge side with link arm</td>
<td>Yes</td>
</tr>
<tr>
<td>Mechanical latching action</td>
<td>Yes</td>
</tr>
<tr>
<td>Electrical closing sequence control</td>
<td>Yes</td>
</tr>
<tr>
<td>Disconnection from mains</td>
<td>Not available</td>
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</tbody>
</table>
### Activation delay (max.)
- 10 s

### Operating voltage
- 230 V

### Frequency of supply voltage
- 50 Hz

### Power rating
- 300 W

### Power supply for external devices
- 1200 mA

### Temperature range
- -15 °C - 50 °C

### IP rating
- IP20

### Modes of operation
- Off, Automatic, Permanently open, Shop closing, Night

### Type of function
- Fully automatic

### Automatic function
- Yes

### Key function
- Yes

### Vestibule function
- Yes

### Obstacle detection
- Yes

### Automatic reversing
- Yes

### Push & Go
- Adjustable

### Operation
- Programme switch DPS

### Parameter setting
- GEZEconnects (PC + Bluetooth), ST 220 service terminal

### Approvals
- DIN 18650, EN 16005

### Accessory

<table>
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<tr>
<th>Product name</th>
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<td>GC 342</td>
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