**Size 150–STA** Push Tubular Solenoids — 1-1/2" Dia. x 2-1/2"

**Part Number:** 154661 - X XX

- **Coil AWG Number**
- **Plunger Configurations and anti-rotation flat on mounting**
  - 2 – 60° plunger without anti-rotation flat
  - 6 – 60° plunger with anti-rotation flat

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**Performance**

<table>
<thead>
<tr>
<th>Maximum Duty Cycle</th>
<th>100%</th>
<th>50%</th>
<th>25%</th>
<th>10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum ON Time (sec) when pulsed continuously 1</td>
<td>∞</td>
<td>420</td>
<td>100</td>
<td>25</td>
</tr>
<tr>
<td>Maximum ON Time (sec) for single pulse 2</td>
<td>∞</td>
<td>570</td>
<td>252</td>
<td>75</td>
</tr>
<tr>
<td>Watts (@ 20°C)</td>
<td>17</td>
<td>34</td>
<td>68</td>
<td>170</td>
</tr>
<tr>
<td>Ampere Turns (@ 20°C)</td>
<td>1800</td>
<td>2546</td>
<td>3800</td>
<td>5892</td>
</tr>
</tbody>
</table>

**Specifications**

- **Dielectric Strength:** 1000 VRMS
- **Recommended Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminum plate measuring 6" square by 1/8" thick**
- **Minimum Heat Sink**
- **Coil Resistance:** ±5% tolerance
- **Holding Force:** 17.7 lbs (78.9 N) at 20°C
- **Weight:** 17.1 oz (484.4 g)
- **Plunger Weight:** 3.4 oz (95.5 g)

**How to Order**

Add the plunger configuration and the coil awg number to the part number (for example: to order a unit with a 60° plunger without an anti-rotation flat rated for 25 VDC at 25% duty cycle, specify 154661-224.)

Please see www.johnsonelectric.com for our list of stock products available through distribution.

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1. Continuously pulsed at stated watts and duty cycle
2. Single pulse at stated watts (with coil at ambient room temperature 20°C)
3. Other coil awg sizes available — please consult factory
4. Reference number of turns
Size 150–STA® Push Tubular Solenoids — 1-1/2" Dia. x 2-1/2"

Typical Force @ 20°C

All products are RoHS Compliant

All specifications subject to change without notice.

Dimensions

Inches (mm)

All solenoids are illustrated in energized state

All specifications subject to change without notice.