Overview

The Von Duprin 5100 Series electric door strike has been designed to offer flexibility and convenience for locksmiths and security professionals alike. This easy-to-install electric strike was created for medium-duty applications, specifically to control traffic flow through interior and exterior openings in retail and commercial environments.

The 5100 electric strike is compatible with a wide range of cylindrical devices and is extremely versatile for field conversions. The combination of three faceplate options plus field selectable voltage and power fail modes allows it to be changed on the job site to create as many as 12 different configurations. An adjustable keeper also improves fit for applications with weather stripping or tight door preps. In short, the 5100 provides added convenience by ensuring the right parts are in the box to get the job done.

Like other Von Duprin strikes, the 5100 was developed to meet high standards and engineered for reliability and quality. Its durable construction and tamper-resistant design stands up to abuse and is tested to over one million cycles.

Features and benefits

- Designed for cylindrical applications
- Capable of 12 in-field configurations
- Three faceplates standard in every box
- Field selectable 12/24 voltage
- Non-handed, internal solenoid design
- Field selectable power failure mode (fail-safe/fail-secure)
- Adjustable keeper improves fit on tight door preps
- Options include 12 and 24 VAC to VDC rectifier kits
- Available in three finishes to suite with existing hardware
- Suitable for interior and exterior doors
- UL 1034 listed for burglary-resistant electric door strikes
- Meets ANSI/BHMA A156.31, Grade 1 for endurance and dynamic strength
- Meets ANSI/BHMA A156.31, Grade 2, 1300 lbs static strength
- Dynamic strength 70 ft-lbs
- Endurance 1,000,000 cycles
5100 Series power requirements

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Current</th>
<th>Duty</th>
<th>Amps</th>
<th>Ohms</th>
</tr>
</thead>
<tbody>
<tr>
<td>5100</td>
<td>12V</td>
<td>DC</td>
<td>Continuous</td>
<td>0.38</td>
<td>32</td>
</tr>
<tr>
<td>5100</td>
<td>24V</td>
<td>DC</td>
<td>Continuous</td>
<td>0.19</td>
<td>128</td>
</tr>
</tbody>
</table>

Continuous duty = Energized 1 minute or more

Model specifications

Model number  5100

Retrofits model  HES 5000C, 5200C, RCI 7 Series

Latchbolt throw  \( \frac{1}{2}\text{"} \) to \( \frac{3}{4}\text{"} \) (\( \frac{1}{2}\text{"} \) keeper depth)

Face plate length  4\( \frac{7}{8}\) or 7\( \frac{7}{8}\)

Backbox depth  1\( \frac{1}{8}\)

Lockset  Cylindrical and deadlatch

Number of doors  Single

Frame type  Hollow metal, aluminum and wood

Listings  UL 1034 burglary listing

Application notes  Versatile electric strike for aftermarket, covering multiple applications in one SKU.

Lockset compatibility: Keeper depth of \( \frac{1}{2}\text{"} \) is sufficient to accommodate all cylindrical locks up to \( \frac{3}{4}\text{"} \) throw and most aluminum narrow stile deadlatches.

12 VDC strike wiring

- 12 VDC input (nonpolarized)
  - Red-White
  - Black
  - Red
  - Black-White

24 VDC strike wiring

- 24 VDC input (nonpolarized)
  - Red
  - Black
  - Red-White
  - Black-White

Ordering information

Model: 5100
Finish: Electric strike for cylindrical locksets

Rectifier kit (optional)

S012: Converts 12 VAC voltage to 12 VDC to operate the solenoid

S024: Converts 24 VAC voltage to 24 VDC to operate the solenoid

Standard features

- Power failure mode: Field configurable fail-secure/fail-safe
- Voltage: Field configurable 12VDC/24 VDC dual voltage solenoid
- Mounting tabs and shims
- Self-adhesive neoprene filler for retrofits

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a $2 billion company, with products sold in almost 130 countries. For more, visit www.allegion.com.