Roll-in replacement breakers provide a cost-effective way to upgrade to current vacuum technology while increasing equipment reliability and minimizing downtime. Siemens provides the experience your company needs to successfully extend the life of your equipment. Our circuit breakers are manufactured using the same fixtures as the original Allis-Chalmers and Siemens-Allis breakers.

Why replacement breakers?
- Increased reliability and performance
- Reduced operating and maintenance expenditures
- Reduced downtime, minimal changeover time during upgrade
- Preserved investment in existing cubicles
- Improved employee and environmental safety

Why Siemens?
- Long operational life
  Siemens replacement breakers have an expected life of 30,000 mechanical operations and a maintenance interval of 10 years or 10,000 mechanical operations, which far exceeds most operational requirements in industrial and utility applications.

- Direct interchangeability
  Siemens replacement breakers, including those that utilize our patented MOC-Saver™ design, are interchangeable with no adjustments required from cubicle to cubicle regardless of the number of MOC switch banks within the existing cubicles.

- Extensive experience
  Siemens has supplied thousands of medium-voltage replacement breakers from our manufacturing facility in Wendell, North Carolina, successfully completing over 750 projects since 1983. Over 350 breakers are located in nuclear 1E rated applications.

- Standardized design
  Siemens utilizes the 3AH operator for our complete family of over 150 different medium-voltage replacement breaker designs, reducing spare parts and training requirements. Over 350,000 3AH series circuit breakers are in service worldwide.

MCR & MBR medium-voltage vacuum roll-in replacement circuit breakers
ANSI 7.2/15 kV, at 500-1,000 MVA
1,200-3,000 amperes

usa.siemens.com/assetsservices
For Allis-Chalmers and Siemens-Allis MC/MCV and MB/MBV

The following circuit breakers are available as pre-engineered designs:

<table>
<thead>
<tr>
<th>Replacement circuit breaker</th>
<th>Nominal voltage class</th>
<th>Nominal 3-phase MVA class</th>
<th>Maximum voltage</th>
<th>Voltage range factor</th>
<th>Interrupting time</th>
<th>Full wave withstand test voltage</th>
<th>Continuous current (at max kV)</th>
<th>Short circuit current (at max kV)</th>
<th>Close and latch capability</th>
<th>Nominal weights</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>E</td>
<td>kV MVA kV rms Cycles kV Peak Amperes kA rms kA rms lbs.</td>
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<td>500 8.25 1.25 5 95 1,200, 2,000 33 66, 77 875</td>
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Dimensions (inches)

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</tbody>
</table>

3AH operator features:
- Spring charge motor mechanism – lifetime lubricated gear box
- Operating linkage – machine parts versus stamped metal
- Change-out of components – easily accessible
- Vacuum contact erosion indication – easily verifiable

Siemens Industry, Inc.
7000 Siemens Road
Wendell, NC 27591

For more information, please contact our Customer Support Center.
Phone: 1-800-333-7421
usa.siemens.com

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