Introducing the VCP-T drawout type and VCP-TR fixed type medium voltage circuit breakers with a short-circuit breaking current rating up to 40 kA. VCP-T drawout circuit breakers have a continuous current rating up to 2000 A. VCP-TR fixed circuit breakers have a continuous current rating up to 2500 A. Capacitor switching capabilities can also be requested as an optional design. All were designed for use where space is at a premium. They are ideal for applications such as power houses, shipboard use, engine generators, restricted access locations and low-profile areas.

- 60% smaller than comparable breakers
- 50% lighter than comparable breakers
- One compact footprint through 15 kV
- Reduction of installed space
- Reduced material and shipping costs
- Lightweight components
- Installation/startup time savings
- 3-cycle (50 ms) interrupting time
- Mechanical endurance up to 20,000 operations

Eaton’s VCP-T circuit breakers deliver all the features normally associated with true drawout metal-clad circuit breakers, and are used in conjunction with a drawout cassette. VCP-TR circuit breakers are fixed-mounted devices.

VCP-T drawout and VCP-TR fixed circuit breakers

**VCP-T**
- Three-position drawout (disconnect, test, connect)
- Metal-clad insulation/isolation
- Spring-loaded multi-finger primary disconnects
- Silver-plated fixed primary cassette stabs
- Automatic steel primary safety shutters

**VCP-TR**
- Bolted bus or cable connections

**VCP-T and VCP-TR**
- Two-step stored energy mechanism
- 0–0.3s–CO–15s–CO
- Tested and proven to ANSI C37.09
- UL® listed and CSA® witnessed

Value-added flexibility

VCP-T and VCP-TR designs offer unmatched flexibility, even after installation. They simplify design, installation and use.

- Through-the-door or closed-door operation
- Common family of accessories
- UL listed field-installable accessories
- Labeled and dedicated secondaries
- Clear and concise operating panel
- Front access to mechanism/accessories
- Optional integral protective relay
- One compact 40 kA family drawout cassette size

Optional Digitrip™ protective relays

- True rms sensing
- Microprocessor-based
- Self-powered
- Local testing
- Model 520V:
  - Basic protection (LSIG)
- Model 520MCV:
  - Arcflash Reduction Maintenance System™ (LSIG)
- Model 1150V:
  - Advanced protection (LSIG)
- Metering and communications
Selected VCP-T/VCP-TR feature (available)

Feature Standard Optional
Metal-clad insulation/isolation □ □
Spring-loaded primary finger disconnect □ □
Silver-plated primary cassette stabs □ □
Manual charging □ □
Integral charging handle □ □
Electrical motor charging □ □
Auxiliary switch (5a/5b) □ □
Mechanical operations counter □ □
24, 48, 125 and 250 Vdc, 120 and 240 Vac control □ □
Shunt trip □ □
Shunt trip (2nd) □ □
Spring release □ □
Undervoltage release □ □
ON and OFF pushbuttons □ □

Capacitor switching breakers □ □

11-gauge grounded steel barrier. □ □
Includes shunt trip. □ □
Includes shunt trip and spring release, field-installable. □ □

VCP-T/VCP-TR breaker ratings (ANSI C37.04 and C37.09)

<table>
<thead>
<tr>
<th>Circuit breaker type</th>
<th>Identification rated values</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Circuit breaker type</td>
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<tr>
<td></td>
<td>50 VCP–T25 and 50 VCP–TR25</td>
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<tr>
<td></td>
<td>75 VCP–T25 and 75 VCP–TR25</td>
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<tr>
<td></td>
<td>150 VCP–T25 and 150 VCP–TR25</td>
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<td>50 VCP–T32 and 50 VCP–TR32</td>
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<td>150 VCP–T40 and 150 VCP–TR40</td>
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</tbody>
</table>

Independent shunt trips are available for use with traditional protective relaying schemes. □ □
Also 2-second short-time current rating. □ □
2500 A available as fixed VCP-TR circuit breaker only. □ □
Use 15 kV breaker and cassette when 95 kV impulse withstand required. □ □

Tested for capacitor switching capabilities—definite purpose to ANSI C37

<table>
<thead>
<tr>
<th>Cable charging</th>
<th>Grounded banks</th>
<th>Back-to-back</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 A</td>
<td>250 and 1000 A</td>
<td>250 A with inrush current 4 kA pk at 5.9 kHz and 1000 A with inrush current 15 kA pk at 25 kHz</td>
</tr>
</tbody>
</table>

Note: Ratings of 250 and 1000 A cover capacitor bank applications from 75 to 1000 A.