Type CH Loadcentre With Plug-on Neutral

Delivers a time saving installation
The Eaton type CH loadcentre features silver flash plated, copper bus in all interiors. Stabs are rated 200 amperes throughout the CH line. Therefore the sum of the ratings connected to any one stab is limited to 200 amperes.

The NEMA 1 enclosures are manufactured from cold rolled 16 gauge sheet steel. All boxes are finished in a Sandalwood colour, using an electrostatic powder coat, baked urethane paint process.

The CH loadcentres are certified to CSA C22.2 No. 29 file LR98266.

**Plug-On Neutrals**

The single phase main circuit breaker panels are supplied with a factory-bonded twin neutral.

The new CH line of loadcentres also feature a plug-on neutral design. Higher safety standards are leading to more Arc Fault Circuit Interrupter (AFCI) installations. With the electrical contractor in mind, Eaton has revolutionized the way AFCIs are installed with the Plug-on Neutral line of loadcentres and circuit breakers. This unique product solution enables the contractor to connect the circuit breaker directly to the neutral bar, eliminating the need for wiring a pigtail.

**Product Selection**

<table>
<thead>
<tr>
<th>Maximum Ampere Rating</th>
<th>Main Circuit Breaker Rating</th>
<th>Catalogue Number</th>
<th>Max. # 3/4&quot; Poles</th>
<th>Cover Style</th>
<th>Main Circuit Breaker Type</th>
<th>Dimensions</th>
<th>Wire Size Range for Main Circuit Breaker Cu/Al</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>100</td>
<td>CHM24PN100</td>
<td>24</td>
<td>Flush/Surface</td>
<td>CSH 35 kAIC</td>
<td>29-1/8&quot; (739.8mm) 14-3/16&quot; (360.4mm) 3-11/16&quot; (93.7mm)</td>
<td>#2 - 300 kcmil</td>
</tr>
<tr>
<td>100</td>
<td>100</td>
<td>CHM32PN100</td>
<td>32</td>
<td>Flush/Surface</td>
<td>CSH 35 kAIC</td>
<td>34-1/8&quot; (866.8mm) 14-3/16&quot; (360.4mm) 3-11/16&quot; (93.7mm)</td>
<td>#2 - 300 kcmil</td>
</tr>
<tr>
<td>200</td>
<td>200</td>
<td>CHM32PN200</td>
<td>32</td>
<td>Flush/Surface</td>
<td>CSH 35 kAIC</td>
<td>34-1/8&quot; (866.8mm) 14-3/16&quot; (360.4mm) 3-11/16&quot; (93.7mm)</td>
<td>#2 - 300 kcmil</td>
</tr>
<tr>
<td>200</td>
<td>200</td>
<td>CHM42PN200</td>
<td>42</td>
<td>Flush/Surface</td>
<td>CSH 35 kAIC</td>
<td>37&quot; (939.8mm) 14-3/16&quot; (360.4mm) 3-11/16&quot; (93.7mm)</td>
<td>#2 - 300 kcmil</td>
</tr>
<tr>
<td>200</td>
<td>200</td>
<td>CHM60PN200L</td>
<td>60</td>
<td>Flush/Surface</td>
<td>CSH 35 kAIC</td>
<td>39&quot; (990.6mm) 14-3/16&quot; (360.4mm) 3-11/16&quot; (93.7mm)</td>
<td>#2 - 300 kcmil</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum Ampere Rating</th>
<th>Catalogue Number</th>
<th>Max. # 3/4&quot; Poles</th>
<th>Cover Style</th>
<th>Dimensions</th>
<th>Wire Size Range for Main Lug Cu/Al</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>CHNL24PN125</td>
<td>24</td>
<td>Flush/Surface</td>
<td>29-1/8&quot; (739.8mm) 14-3/16&quot; (360.4mm) 3-11/16&quot; (93.7mm)</td>
<td>#2 - 300 kcmil</td>
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<tr>
<td>125</td>
<td>CHNL32PN125</td>
<td>32</td>
<td>Flush/Surface</td>
<td>34-1/8&quot; (866.8mm) 14-3/16&quot; (360.4mm) 3-11/16&quot; (93.7mm)</td>
<td>#2 - 300 kcmil</td>
</tr>
<tr>
<td>225</td>
<td>CHNL32PN225</td>
<td>32</td>
<td>Flush/Surface</td>
<td>34-1/8&quot; (866.8mm) 14-3/16&quot; (360.4mm) 3-11/16&quot; (93.7mm)</td>
<td>#2 - 300 kcmil</td>
</tr>
<tr>
<td>225</td>
<td>CHNL42PN225</td>
<td>42</td>
<td>Flush/Surface</td>
<td>37&quot; (939.8mm) 14-3/16&quot; (360.4mm) 3-11/16&quot; (93.7mm)</td>
<td>#2 - 300 kcmil</td>
</tr>
</tbody>
</table>

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Eaton Corporation 1-800-268-3578 www.eatoncanada.ca
• Space saving 3/4” design
• Limited lifetime warranty
• Product markings to clarify ratings
• Trip Indication model
  ★ Red flag visually confirms “Tripped” status
  ★ Exclusive “Trip to Off / Auto Reset” feature
  ★ Tri-drive screw accepts flat, Robertson, or Phillips drivers

**Type CH Circuit Breakers**

<table>
<thead>
<tr>
<th>Amperes</th>
<th>Wire Size Range (Cu/Al 60°C or 75°C) (AWG)</th>
<th>1-Pole 120/240VAC 10kAIC</th>
<th>1-Pole 120/240VAC 10kAIC with Trip Indication</th>
<th>2-Pole 120/240VAC 10kAIC Common Trip</th>
<th>2-Pole 120/240VAC 10kAIC Common Trip with Trip Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>(1) #14-8, (2) #14-10</td>
<td>CH115</td>
<td>CHF115</td>
<td>CH215</td>
<td>CHF215</td>
</tr>
<tr>
<td>20</td>
<td>(1) #14-8, (2) #14-10</td>
<td>CH120</td>
<td>CHF120</td>
<td>CH220</td>
<td>CHF220</td>
</tr>
<tr>
<td>25</td>
<td>(1) #14-8, (2) #14-10</td>
<td>CH125</td>
<td>CHF125</td>
<td>CH225</td>
<td>CHF225</td>
</tr>
<tr>
<td>30</td>
<td>(1) #14-8, (2) #14-10</td>
<td>CH130</td>
<td>CHF130</td>
<td>CH230</td>
<td>CHF230</td>
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<tr>
<td>40</td>
<td>(1) #14-2 ², (1) #10-1/0</td>
<td>CH140</td>
<td>CH240</td>
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<tr>
<td>50</td>
<td>(1) #14-2 ², (1) #10-1/0</td>
<td>CH150</td>
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<td>60</td>
<td>(1) #14-2 ², (1) #10-1/0</td>
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<td></td>
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<td></td>
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<tr>
<td>70</td>
<td>(1) #14-2 ², (1) #10-1/0</td>
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<td></td>
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<td>80</td>
<td>(1) #14-2 ², (1) #10-1/0</td>
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<td></td>
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<tr>
<td>90</td>
<td>(1) #14-2 ², (1) #10-1/0</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>(1) #14-2 ², (1) #10-1/0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Requires One ¾-Inch (19.1mm) Space Requires One ¾-Inch (19.1mm) Space Requires Two ¾-Inch (19.1mm) Spaces Requires Two ¾-Inch (19.1mm) Spaces

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**Type CH Plug-On Neutral Arc Fault and Ground Fault Circuit Breakers**

<table>
<thead>
<tr>
<th>Amperes</th>
<th>Wire Size Range (Cu/Al 60°C or 75°C) (AWG)</th>
<th>1-Pole 120/240VAC 10kAIC Combination* Arc Fault</th>
<th>1-Pole 120/240VAC 10kAIC Ground Fault</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>(1) #14 - 6</td>
<td>CH115C AFPN</td>
<td>CHF115G FPN</td>
</tr>
<tr>
<td>20</td>
<td>(1) #14 - 6</td>
<td>CH120C AFPN</td>
<td>CHF120G FPN</td>
</tr>
</tbody>
</table>

Requires One ¾-Inch (19.1mm) Space Requires One ¾-Inch (19.1mm) Space

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* Note:
Combination AFCI circuit breakers have the added benefit of enhanced detection of persistent, low current, or “series” arcing faults. The term “Combination AFCI” is not intended to mean combined arc fault and ground fault protection in a single circuit breaker.

1. Solid and stranded wire can be used together.
2. 1-pole 40-50 amperes, 2-pole 40-70 amperes.
3. 1-pole 60-70 amperes, 2-pole 80-100 amperes.

Eaton Corporation 1-800-268-3578 www.eatoncanada.ca
### Type CH Loadcentre Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Ordering Qty</th>
<th>Catalogue Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub-feed kit for 100 ampere main circuit breaker and 125 ampere main lug only loadcentres. Requires two ¾-inch (19.1mm) spaces.</td>
<td>1</td>
<td>CHFS2125</td>
</tr>
<tr>
<td>Neutral/Ground lug kit for 2/0 cable.</td>
<td>1</td>
<td>NL20</td>
</tr>
<tr>
<td>Neutral/Ground lug kit for 3/0 cable.</td>
<td>1</td>
<td>NL30</td>
</tr>
<tr>
<td>¾-inch filler plate kit.</td>
<td>25</td>
<td>CHFP</td>
</tr>
<tr>
<td>Door lock.</td>
<td>1</td>
<td>TDL</td>
</tr>
<tr>
<td>Touch up spray paint (sandalwood).</td>
<td>1</td>
<td>SPCSW</td>
</tr>
<tr>
<td>Trim screw kit.</td>
<td>25</td>
<td>LCCS</td>
</tr>
<tr>
<td>Circuit marking strip.</td>
<td>10</td>
<td>CHMS</td>
</tr>
</tbody>
</table>

### Type CH Circuit Breaker Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Ordering Qty</th>
<th>Catalogue Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handle Tie for single pole Type CH circuit breakers. Joins handles on circuit breakers mounted adjacent to each other via a moulded plastic handle overlay.</td>
<td>25</td>
<td>CHHT</td>
</tr>
<tr>
<td>Handle Lockoff (Handle mounted). 1and 2-Pole Type CH circuit breakers.</td>
<td>1</td>
<td>CHPL</td>
</tr>
<tr>
<td>Handle Lockoff (Escutcheon mounted). Locks the handle of main circuit breaker type CSH in the OFF or ON position</td>
<td>1</td>
<td>MCBPL</td>
</tr>
<tr>
<td>Handle Lockdog (Handle mounted). 1-Pole Type CH circuit breakers.</td>
<td>10</td>
<td>CHLO</td>
</tr>
</tbody>
</table>

### Definitions

**Handle Ties** - devices used to join two similar independent single-pole circuit breakers to form a 2-pole non-common trip circuit breaker.

**Handle Lockoff** - devices that use a padlock to lock a circuit breaker's handle in either the OFF or ON position.

**Handle Lockdog** - devices used to secure a circuit breaker's handle in the OFF or ON position. They are not padlockable devices.

**Escutcheon Mounted** - a semipermanent mounting to the face of the circuit breaker and secured by the loadcentre's deadfront cover.

**Handle Mounted** - a mounting made directly to the handle of the circuit breaker by means of a set screw.
Features, Benefits and Functions

**Ample Cable Entry Knockouts**
- Sidewall, endwall, and back-plane locations.
- Standard sizing for service entrance and branch circuit cabling.

**Large Service Entrance Section**
- Straight-in wiring saves labour and material.
- Large cable bending space.

**Commercial Grade Main Circuit Breaker**
- 35kAIC series rated main breaker. Highest in the industry.

**Inboard Neutral**
- Provides direct neutral connection for plug-on style ground fault and arc fault circuit breakers.
- Ample additional 2/0 lugs provided - no kits necessary.

**Unique Sandalwood Finish**
- Esthetically appealing, scratch-resistant powder coating. Industry Exclusive!
- Both tub and trim are painted.

**Steel Backpan**
- Reliable breaker mounting.
- One-piece design provides superior stability.

**Silver Flash Plated Copper Bus**
- Provides superior conductivity.

**Drywall Marking on Enclosure**
- Indicates proper mounting depth for flush applications.

**Patented Stab Design**
- Unique design provides a tight connection to the bus.

**Single Keyhole Mounting**
- One keyhole at the top and bottom provides easier mounting and leveling.
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