Unmatched performance, reliability and versatility

Eaton's molded-case switch/circuit breaker (MCS/MCCB) type automatic transfer switch (ATS) is designed to provide unmatched performance, reliability and versatility for critical standby power applications requiring open transition with time delay. Configurable features include integral overcurrent protection and service entrance rated equipment.

Product configurations
- 30–1000 A, 100% rated
- Two-, three- and four-pole
- Single- and three-phase
- 120–600 Vac, 50/60 Hz
- NEMA® 1, 3R, 12, 4X enclosure types
- Open frame
- Open transition with time delay
- ATC-100, ATC-300+, ATC-900 controller
- Service entrance rated
- Integrated metering

Eaton's molded-case switch/circuit breaker (MCS/MCCB) type automatic transfer switch (ATS) is designed to provide unmatched performance, reliability and versatility for critical standby power applications requiring open transition with time delay. Configurable features include integral overcurrent protection and service entrance rated equipment.

Product configurations
- 30–1000 A, 100% rated
- Two-, three- and four-pole
- Single- and three-phase
- 120–600 Vac, 50/60 Hz
- NEMA® 1, 3R, 12, 4X enclosure types
- Open frame
- Open transition with time delay
- ATC-100, ATC-300+, ATC-900 controller
- Service entrance rated
- Integrated metering

Eaton’s molded-case switch/circuit breaker (MCS/MCCB) type automatic transfer switch (ATS) is designed to provide unmatched performance, reliability and versatility for critical standby power applications requiring open transition with time delay. Configurable features include integral overcurrent protection and service entrance rated equipment.

Product configurations
- 30–1000 A, 100% rated
- Two-, three- and four-pole
- Single- and three-phase
- 120–600 Vac, 50/60 Hz
- NEMA® 1, 3R, 12, 4X enclosure types
- Open frame
- Open transition with time delay
- ATC-100, ATC-300+, ATC-900 controller
- Service entrance rated
- Integrated metering

Eaton’s molded-case switch/circuit breaker (MCS/MCCB) type automatic transfer switch (ATS) is designed to provide unmatched performance, reliability and versatility for critical standby power applications requiring open transition with time delay. Configurable features include integral overcurrent protection and service entrance rated equipment.

Product configurations
- 30–1000 A, 100% rated
- Two-, three- and four-pole
- Single- and three-phase
- 120–600 Vac, 50/60 Hz
- NEMA® 1, 3R, 12, 4X enclosure types
- Open frame
- Open transition with time delay
- ATC-100, ATC-300+, ATC-900 controller
- Service entrance rated
- Integrated metering

Eaton’s molded-case switch/circuit breaker (MCS/MCCB) type automatic transfer switch (ATS) is designed to provide unmatched performance, reliability and versatility for critical standby power applications requiring open transition with time delay. Configurable features include integral overcurrent protection and service entrance rated equipment.

Product configurations
- 30–1000 A, 100% rated
- Two-, three- and four-pole
- Single- and three-phase
- 120–600 Vac, 50/60 Hz
- NEMA® 1, 3R, 12, 4X enclosure types
- Open frame
- Open transition with time delay
- ATC-100, ATC-300+, ATC-900 controller
- Service entrance rated
- Integrated metering

Eaton’s molded-case switch/circuit breaker (MCS/MCCB) type automatic transfer switch (ATS) is designed to provide unmatched performance, reliability and versatility for critical standby power applications requiring open transition with time delay. Configurable features include integral overcurrent protection and service entrance rated equipment.

Product configurations
- 30–1000 A, 100% rated
- Two-, three- and four-pole
- Single- and three-phase
- 120–600 Vac, 50/60 Hz
- NEMA® 1, 3R, 12, 4X enclosure types
- Open frame
- Open transition with time delay
- ATC-100, ATC-300+, ATC-900 controller
- Service entrance rated
- Integrated metering

Eaton’s molded-case switch/circuit breaker (MCS/MCCB) type automatic transfer switch (ATS) is designed to provide unmatched performance, reliability and versatility for critical standby power applications requiring open transition with time delay. Configurable features include integral overcurrent protection and service entrance rated equipment.

Product configurations
- 30–1000 A, 100% rated
- Two-, three- and four-pole
- Single- and three-phase
- 120–600 Vac, 50/60 Hz
- NEMA® 1, 3R, 12, 4X enclosure types
- Open frame
- Open transition with time delay
- ATC-100, ATC-300+, ATC-900 controller
- Service entrance rated
- Integrated metering

Eaton’s molded-case switch/circuit breaker (MCS/MCCB) type automatic transfer switch (ATS) is designed to provide unmatched performance, reliability and versatility for critical standby power applications requiring open transition with time delay. Configurable features include integral overcurrent protection and service entrance rated equipment.

Product configurations
- 30–1000 A, 100% rated
- Two-, three- and four-pole
- Single- and three-phase
- 120–600 Vac, 50/60 Hz
- NEMA® 1, 3R, 12, 4X enclosure types
- Open frame
- Open transition with time delay
- ATC-100, ATC-300+, ATC-900 controller
- Service entrance rated
- Integrated metering

Eaton’s molded-case switch/circuit breaker (MCS/MCCB) type automatic transfer switch (ATS) is designed to provide unmatched performance, reliability and versatility for critical standby power applications requiring open transition with time delay. Configurable features include integral overcurrent protection and service entrance rated equipment.

Product configurations
- 30–1000 A, 100% rated
- Two-, three- and four-pole
- Single- and three-phase
- 120–600 Vac, 50/60 Hz
- NEMA® 1, 3R, 12, 4X enclosure types
- Open frame
- Open transition with time delay
- ATC-100, ATC-300+, ATC-900 controller
- Service entrance rated
- Integrated metering
Optional accessories
- Overcurrent protection with thermal-magnetic trip
- Integrated distribution circuit breaker panel
- Automatic controller protective cover with padlock provision
- Surge protection device (UL 1449 3rd Edition)
- Remote annunciator controller—monitor and control single or multiple automatic transfer switches
- Ethernet gateway with Web server (Modbus TCP/IP, SNMP, BACnet)
- Space heater with thermostat

Enclosure dimensions and approximate shipping weight

<table>
<thead>
<tr>
<th>MCS/MCCB Frame Size</th>
<th>Transfer Switch Ampere Rating</th>
<th>Enclosure Dimensions (inches)</th>
<th>Approx. Shipping Weight lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFD 30–150</td>
<td>30–150</td>
<td>35.61 (20.06) 11.34</td>
<td>150 (68)</td>
</tr>
<tr>
<td>HFD 200–225</td>
<td>200–225</td>
<td>47.74 (20.81) 15.22</td>
<td>232 (105)</td>
</tr>
<tr>
<td>HKD 225</td>
<td>225</td>
<td>48.00 (20.81) 16.65</td>
<td>305 (138)</td>
</tr>
<tr>
<td>HKD 300</td>
<td>300</td>
<td>56.00 (20.81) 16.65</td>
<td>305 (138)</td>
</tr>
<tr>
<td>HLD 400–600</td>
<td>400–600</td>
<td>64.00 (25.81) 16.65</td>
<td>310 (138)</td>
</tr>
<tr>
<td>HMDL 600–800</td>
<td>600–800</td>
<td>76.74 (25.81) 17.75</td>
<td>475 (214)</td>
</tr>
<tr>
<td>HNB 800–1000</td>
<td>800–1000</td>
<td>76.74 (25.81) 17.75</td>
<td>570 (259)</td>
</tr>
</tbody>
</table>

1. NEMA 1 and 3R type
2. Standard three-phase configuration
3. Applies to single-phase, 120/240 Vac or 120/208 Vac, three-wire and three-phase, 208/120 Vac, four-wire standard configurations without multi-tap transformer.
4. All other three-phase, standard configurations that include multi-tap transformer.

Standard cable terminal connections

<table>
<thead>
<tr>
<th>Switch Ampere Rating</th>
<th>MCS/MCCB Frame Size</th>
<th>Standard Cu/Al Terminal Lugs (kcmil)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30–100</td>
<td>HFD</td>
<td>ANSI A14-1/0 (1) #4–1/0, #6–300, #8–300</td>
</tr>
<tr>
<td>150–225</td>
<td>HFD</td>
<td>ANSI A14-1/0 (1) #4–1/0, #6–300, #8–300</td>
</tr>
<tr>
<td>200–300</td>
<td>HKD</td>
<td>ANSI A14-1/0 (1) #4–1/0, #6–300, #8–300</td>
</tr>
<tr>
<td>400</td>
<td>HLD</td>
<td>ANSI A14-1/0 (1) #4–1/0, #6–300, #8–300</td>
</tr>
<tr>
<td>600</td>
<td>HLD</td>
<td>ANSI A14-1/0 (1) #4–1/0, #6–300, #8–300</td>
</tr>
<tr>
<td>600</td>
<td>HMDL</td>
<td>ANSI A14-1/0 (1) #4–1/0, #6–300, #8–300</td>
</tr>
<tr>
<td>800–1000</td>
<td>HLD</td>
<td>ANSI A14-1/0 (1) #4–1/0, #6–300, #8–300</td>
</tr>
</tbody>
</table>

1. Applies to standard two- and three-phase configurations with solid neutral.

CUSTOM ORDER ENGINEERING

In many cases, standard product can be custom-order engineered to meet your application needs. For additional information, please contact your local Eaton sales representative.

Catalog numbering system

- Type
  - AT = Automatic
- Orientation
  - H = Horizontal
  - V = Vertical
- Logic
  - 2 = Two-pole
  - 3 = Three-pole
  - 4 = Four-pole
- Number of Poles
  - A = S1 (MCB) S2 (MCS)
  - B = S1 (MCB) S2 (MCS)
  - C = S1 (MCB) S2 (MCS)
  - D = S1 (MCB) S2 (MCS)

Note: The catalog numbering system for molded-case switch/breaker ATS offers a wide variety of standard configurations to meet your application needs. Please be advised that some catalog number combinations are not available. Please contact your local Eaton sales representative with any quotation-related questions.

Service entrance equipment

Eaton's MCS/MCCB type transfer switch can easily be configured to be suitable for use as service equipment in the standard enclosure size.

Service equipment rated transfer switches may be installed at the point of service entrance without the need for separate upstream disconnect devices and additional power connections.

All service equipment is UL 1008 Listed and includes integral overcurrent protection, keyed service disconnect switch and fused disconnect of control power.

UL 1008 short-circuit withstand/close-on ratings (kA)

<table>
<thead>
<tr>
<th>Switch Ampere Rating</th>
<th>Any Breaker Rating</th>
<th>UL 1008 Rating When Used With Upstream Fuse</th>
</tr>
</thead>
<tbody>
<tr>
<td>30–100</td>
<td>100 25</td>
<td>200 J, T 200</td>
</tr>
<tr>
<td>150</td>
<td>100 25</td>
<td>400 J, T 200</td>
</tr>
<tr>
<td>150–225</td>
<td>100 25</td>
<td>400 J, T 200</td>
</tr>
<tr>
<td>225</td>
<td>100 25</td>
<td>400 J, T 200</td>
</tr>
<tr>
<td>300</td>
<td>100 25</td>
<td>400 J, T 200</td>
</tr>
<tr>
<td>400</td>
<td>100 25</td>
<td>600 J, T 200</td>
</tr>
<tr>
<td>600</td>
<td>100 25</td>
<td>1200 J, T 200</td>
</tr>
<tr>
<td>800</td>
<td>65 25</td>
<td>1600 L 200</td>
</tr>
<tr>
<td>1000</td>
<td>65 25</td>
<td>1600 L 200</td>
</tr>
</tbody>
</table>

1. Four-pole configuration is 35 kA.