

Transfer switch with Cam-Lok receptacles

Molded case type, open transition, manual, non-automatic, automatic (30–1000 A)

Quick connect of temporary generator



Product configurations

- Cam-Lok™ E1016 series (male) receptacles allow quick connection of source 2 (emergency) power
- Operation modes:
 - Manual
 - Non-automatic
 - Automatic
- 30 to 1000 A
- Two-, three- and four-pole
- Up to 600 Vac, 50/60 Hz
- Open transition
- Service entrance (100% rated)
 - Integral molded case circuit breaker(s) with trip unit
- NEMA® 1, 12, 3R enclosure
- UL® 1008 Listed, CSA® C22.2 No. 178, Seismic OSHPD/IBC/CBC/UBC Zone 4
- Cam-Lok options: hinged covers; minimum ground ampacity (25%, 50%, 100%)

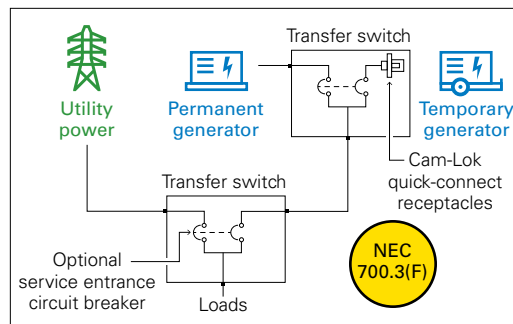
Features and benefits

- Source 2 power (Cam-Lok) connections are color coded to industry standards
- Quick-connect transformer panel permits field selection of system voltage and derives control power from either power source
- Isolated Cam-Lok compartment minimizes exposure to energized transfer switch compartment, enhancing worker safety
- Lockable doors prevent unauthorized access
- Removable gland plate (underside) exposes openings for ingress of source 1 (utility) and load cables
- Door safety interlock (automatic operation models) mitigates risk of unintentional cable disconnect from Cam-Lok receptacle when source 2 power is live and connected to the load

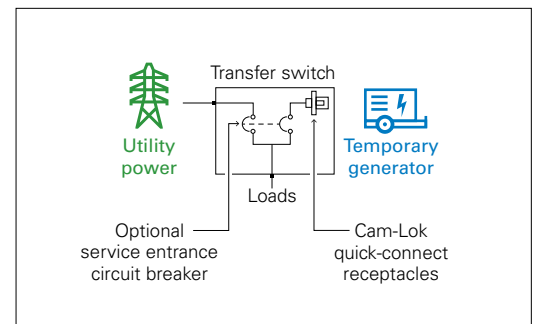
- Hinged bottom flap secures in closed position when cables are not present
- “Field conversion ready” for connection of permanent generator (future)
- Mechanically interlocked connection of both sources



1000 A Cam-Lok power panel with 25% ground ampacity



First transfer switch is equipped with Cam-Lok receptacles for quick connection to a temporary roll-up generator (during maintenance of the permanent generator) and feeds a second transfer switch. First transfer switch provides compliance to NEC® Article 700.3(F) in an emergency system.



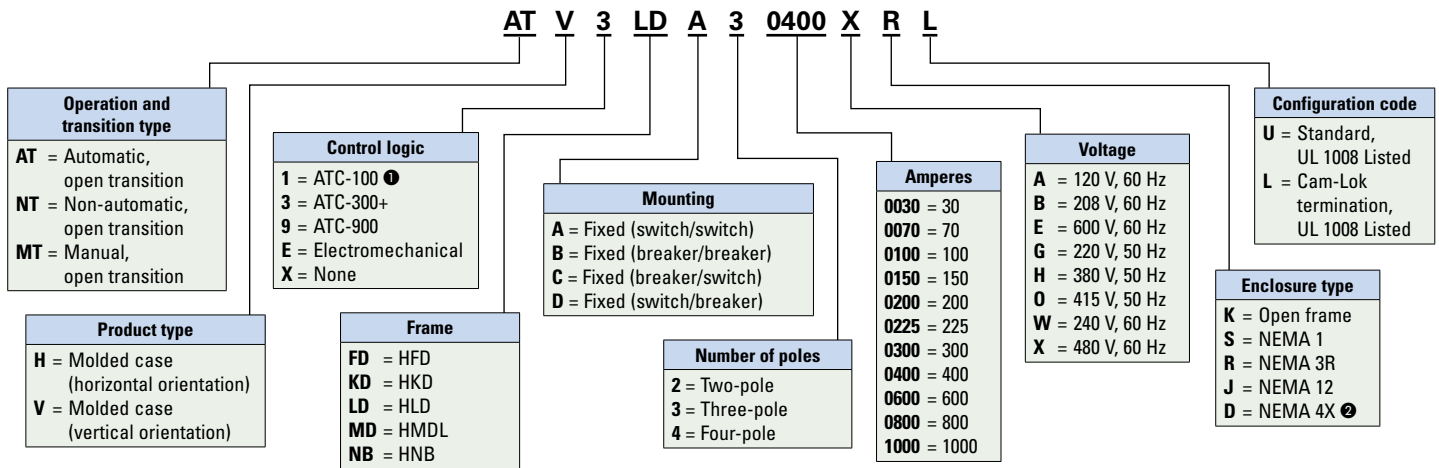
Transfer switch equipped with Cam-Lok receptacles for quick connection to a temporary roll-up generator during a utility power outage.



Powering Business Worldwide

Product selection

Catalog numbering system



❶ Limited to 600 A and below.

❷ 304 or 316 grade stainless steel available.

Standard dimensions ❶

| Transfer switch rating (amperes) | Frame | Enclosure (NEMA) | Dimension in inches (mm) | | | Terminal connections ❷ | | | |
|----------------------------------|-------|------------------|--------------------------|----------------|---------------|------------------------|-----------|-------------|--------------|
| | | | Height | Width | Depth | Normal | Emergency | Load | Neutral ❸ |
| 30–225 | HFD | 1, 3R, 12 | 52.00 (1320.8) | 19.81 (503.1) | 16.75 (425.7) | (1) #14–1/0 | Cam-Lok | (1) #14–1/0 | (3) #14–1/0 |
| 150–300 | HKD | 1, 3R | 79.00 (2006.6) | 25.25 (641.3) | 22.50 (571.5) | (1) #3–350 | Cam-Lok | (1) #6–350 | (3) #4–350 |
| 400 | HKD ❹ | 1, 3R | 79.00 (2006.6) | 25.25 (641.3) | 22.50 (571.5) | (2) #1–500 | Cam-Lok | (2) #1–500 | (6) 250–500 |
| | HLD | 1, 3R, 12 | 79.40 (2016.7) | 29.19 (741.4) | 22.32 (566.9) | (1) 4/0–600 | Cam-Lok | (2) #1–500 | (6) 250–350 |
| | HLD ❺ | 1, 3R, 12 | 79.40 (2016.7) | 29.19 (741.4) | 22.32 (566.9) | (2) 3/0–350 | Cam-Lok | (2) #1–500 | (6) 250–350 |
| 600 | HLD | 1, 3R, 12 | 79.40 (2016.7) | 29.19 (741.4) | 22.32 (566.9) | (2) 3/0–350 | Cam-Lok | (2) #1–500 | (6) 250–350 |
| | HMDL | 1, 3R, 12 | 79.15 (2010.4) | 51.07 (1297.1) | 22.32 (566.9) | (2) #1–500 | Cam-Lok | (2) #1–500 | (6) 4/0–500 |
| 800 | HMDL | 1, 3R, 12 | 79.15 (2010.4) | 51.07 (1297.1) | 22.32 (566.9) | (3) 3/0–400 | Cam-Lok | (3) 3/0–400 | (12) 4/0–500 |
| 800–1000 | HNB | 1, 3R, 12 | 79.15 (2010.4) | 51.07 (1297.1) | 22.32 (566.9) | (4) 4/0–500 | Cam-Lok | (4) 4/0–500 | (12) 4/0–500 |

❶ Dimensions are approximate, applicable for standard product configuration, and subject to change. Please reference product outline drawings for the latest detailed information. Information provided is for open transition, three-pole, 480 V configuration. For weights—consult with factory.

❷ Suitable for copper conductor termination. Alternate lug terminal sizes are available for some configurations—consult with factory.

❸ Terminal connection size listed is for a product configuration with a solid neutral. For product configurations with a switched neutral (four-pole), reference the size listed in the load terminal connection column.

❹ Applies to two-pole, single-phase voltage configurations (240/120 V or 208/120 V) with ATC-300+ controller only.

❺ Normal terminal connections configured for 3/0–350.

Custom ordering

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

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