

CDH364URKNLC Single Throw Quick Connect

CDT364URKNLC Double Throw Quick Connect



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Heavy Duty Quick Connect Switches

Application Description

The heavy duty quick connect **single throw** design is typically used with your main utility when temporary power is required such as, to connect a sound or lighting system, media equipment, carnival equipment. When portable power from a generator is required either a **single throw (reverse configuration)** or a **double throw** quick connect could be used. CEC does not permit double throw safety switches to be used for service entrance.

Product Description

- 100A through 800 Ampere, (1200A pending for 2012)
- 240V - 600VAC heavy duty
- Utilizes Crouse-Hinds "J" Powerseries E1015, E1016, E1017 Cam-Lok® connectors or Crouse-

Hinds E200, E400 Posi-Lok® receptacles

- Fusible, Non-fusible switch design
- CDH – single throw switch design
- CDT – double throw switch design
- Single or Three phase, ground receptacle standard. Fourth pole, solid or switched neutral optional
- Type 1 or 3R enclosure. Optional type 12 or 4/4X (assembly rating 3R)
- 100% load break make rated
- Key interlocking available upon request
- Windows for Type 12 or 4/4X (assembly rating 3R) available upon request

Features

- Both designs provide a superior safety solution, interlocking the operation of the switch with the door interlock of the receptacle compartment.
- The switch cannot be turned to the ON position without first closing the receptacle compartment door.
- Convenient and safe method to quickly connect and disconnect portable equipment.
- Spring loaded flap door in the receptacle compartment allows the cables to exit the compartment, but seals the compartment when the switch is not in use.

- An additional flap door on the main compartment allows for quick connection in the event that the appropriate plugs are not readily available.
- Additional options such as Key Interlocking, Windows, Type 12, 4/4X enclosures available upon request

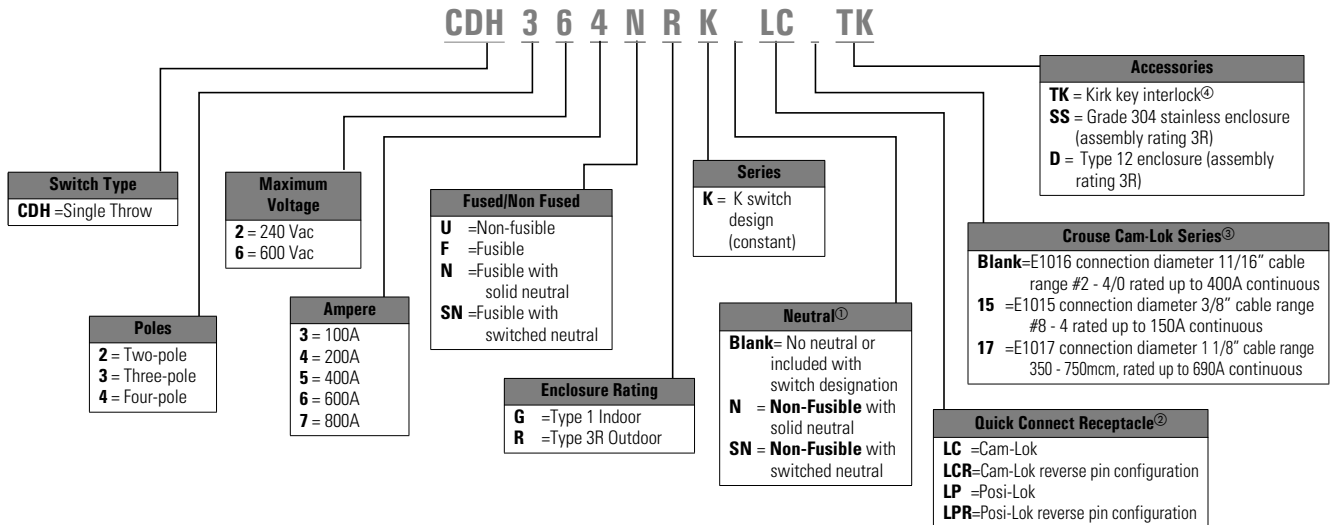
Standards and Certifications

- CSA certified File No. LR69743
- Meets C22.2 No. 4
- ISO-9001



Catalogue Number Selection

Heavy Duty Single Throw with Cam or Posi-Lok Receptacles

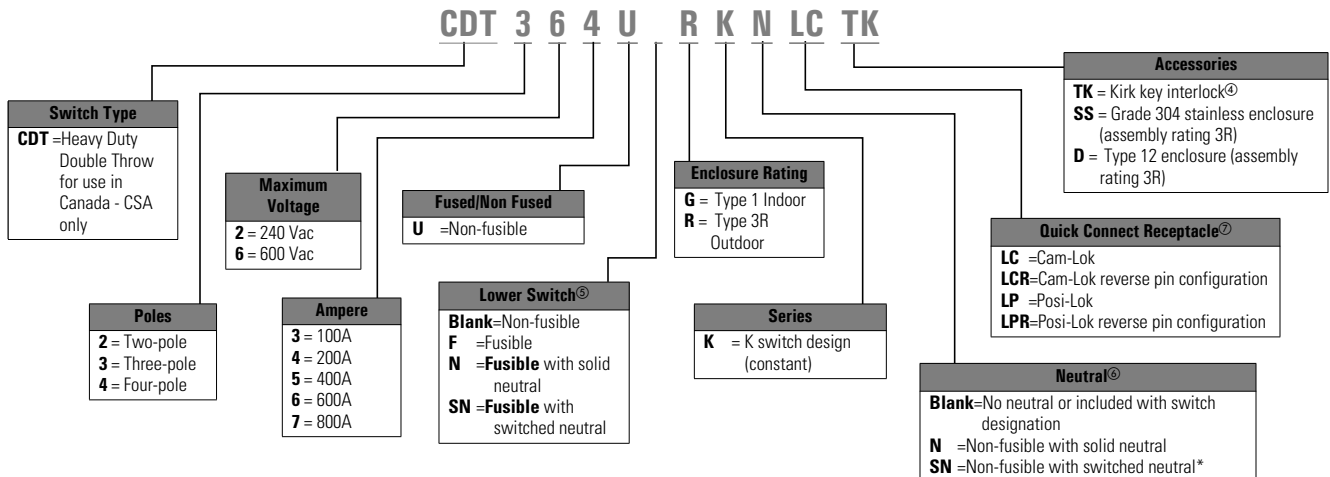


Notes

- ① This field is only used when the switch is non-fusible.
- ② Cam-Lok devices have male ground and neutral and female phase receptacles as standard on single throw
Posi-Lok devices have all female receptacles as standard on single throw
Should a reverse gender configuration be required add suffix "R" to the receptacle designation
An easy way to determine receptacle type: for generator applications male phase receptacles, for temporary load applications female phase receptacles
- ③ E1016 receptacle supplied as standard for all ratings, leave blank unless optional receptacle required
- ④ Provide key interlocking co-ordination as well as customer name, address and phone number for key registration when ordering

Catalogue Number Selection

Heavy Duty Double Throw with Cam or Posi-Lok Receptacles



Notes

- ① When lower switch is unfused, the switch configuration is consolidated in one letter (ie: "U" not "UU")
A switch with a neutral will have either a solid neutral or a switched neutral, not both
For switched neutral application order 3 pole for single phase and 4 pole for three phase
- ② This field is only used when the switch is non-fusible.
- ③ Cam-Lok devices have male ground and neutral and female phase receptacles as standard on single throw
Posi-Lok devices have all female receptacles as standard on single throw
Should a reverse gender configuration be required add suffix "R" to the receptacle designation
An easy way to determine receptacle type: for generator applications male phase receptacles, for temporary load applications female phase receptacles

Technical Data and Specifications

- 100A through 800Ampere
- 240V - 600VAC heavy duty
- Utilizes Crouse-Hinds "J" Powerseries E1015, E1016, E1017 Cam-Lok® connectors or Crouse-Hinds E200, E400 Posi-Lok® receptacles
- Fusible, Non-fusible switch design
- CDH – single throw switch design
- CDT – double throw switch design
- 100% load break and make rated
- For short circuit withstand ratings refer to page 30 for single throw and 40 for double throw
- Horsepower rated
- Single or Three phase, ground receptacle standard. Fourth pole, solid or switched neutral optional
- Type 1 or 3R enclosures standard optional type 12 or 4/4X (assembly rating 3R)
- **Single throw** design with Cam Lok® - male ground (standard) and male neutral (optional) receptacles, female phase receptacles (standard)
- Single throw design with Posi Lok® - all female receptacles
- Receptacles on single throw factory wired to load side of switch – standard
- Reverse pin (receptacle) and wiring configuration available – add "R" to catalogue suffix
- **Double throw** with Cam-Lok® - female ground and male phase receptacles (standard). Female neutral receptacles (optional)
- Double throw design with Posi Lok® - all male receptacles
- Reverse pin (receptacle) and wiring configuration available – add "R" to catalogue suffix
- Receptacles on double throw, non fusible, factory wired to lower switch line side
- Receptacles on double throw, lower switch fusible, factory wired to line side of fuse
- 100A and 200A receptacle compartment located at bottom of enclosure
- 400A – 800A receptacle compartment located beside enclosure
- 100A through 400A have a single row of receptacles, while 600A and 800A have parallel receptacles
- Additional options such as Key Interlocking, Windows, Type 12, 4/4X enclosures (3R rated assembly) available upon request

Lug Capacities - Quick Connect Double Throw Switch Assembly with Cam-Lok or Posi-Lok Receptacles

Double Throw Switch Size - Cam-Lok or Posi-Lok Receptacles	Line Terminal Per Phase	Load Terminal Per Phase	Switched Neutral Pole Load Terminals	Solid Neutral Terminals	Ground Terminals	Receptacle Bypass Terminals
100A	(1) 1/0 – 14 AWG Cu/Al	(1) 1/0 – 14 AWG Cu/Al	(1) 1/0 - 14 AWG Cu/Al	(2) 1/0 - 14 AWG, (1) 2 - 14 AWG Cu/Al	(3) 2 - 14 AWG Cu/Al	(1) 10 - 32 Screw Mounting
200A	(1) 300 kcmil 6 AWG Cu/Al	(1) 250 kcmil 6 AWG Cu/Al	(1) 250 kcmil - 6 AWG Cu/Al	(2) 250 kcmil - 6 AWG, (1) 1/0 - 14 AWG, (1) 2 - 14 AWG Cu/Al	(3) 2 - 14 AWG Cu/Al	(2) 1/4 Studs, 1.75 Inch Spacing
400A	(1) 750 kcmil - 1/0 or (2) 300 kcmil - 1/0 Cu/Al	(1) 750 kcmil - 1/0 or (2) 300 kcmil - 1/0 Cu/Al	(1) 750 kcmil - 1/0 or (2) 300 kcmil - 1/0 Cu/Al	(6) 500 - 250 kcmil, (6) 250 kcmil - 6 AWG Cu/Al	(4) 250 kcmil - 6 AWG Cu/Al	(2) 1/2 - 13 UNC Studs, 1.75 Inch Spacing
600A	(4) 750 kcmil - 3/0 Cu/Al	(4) 500 - 250 kcmil Cu/Al	(4) 500 - 250 kcmil Cu/Al	(6) 500 - 250 kcmil, (4) 250 kcmil - 6 AWG Cu/Al	(4) 250 kcmil - 6 AWG Cu/Al	(2) 1/2 - 13 UNC Studs, 1.75 Inch Spacing
800A	(4) 750 kcmil - 3/0 Cu/Al	(4) 500 - 250 kcmil Cu/Al	(4) 500 - 250 kcmil Cu/Al	(6) 500 - 250 kcmil, (4) 250 kcmil - 6 AWG	(4) 250 kcmil - 6 AWG Cu/Al	(2) 1/2 - 13 UNC Studs, 1.75 Inch Spacing

Lug Capacities - Quick Connect Single Throw with Cam-Lok or Posi-Lok Receptacles

Ampere	Line Terminals Per Phase	Load Terminals Per Phase	Solid Neutral Terminals	Ground Terminal
100A	1/0 - #14	1/0 - #14	(2) 1/0 - #14, (2) #2 - #14	#4 - 14AWG
200A	(1) #6 - 300mcm	(1) #6 - 300mcm	(2) #6 - 300mcm, (2) #4 - #14	#4 - 14AWG
400A	(1) 1/0 - 750mcm or (2) 1/0 - 300mcm	(1) 1/0 - 750mcm or (2) 2/0 - 300mcm	(1) 1/0 - 750mcm or (2) 1/0 - 300mcm, and (3) #6 - 250mcm	(2) #6 - 250mcm
600A	(1) #2-600mcm and (1) 1/0 - 750mcm	(1) #2-600mcm and (1) 1/0 - 750mcm	(1) 1/0 - 750mcm and (1) #2 - 600mcm, and (3) #6 - 250mcm	(2) #6 - 250mcm
800A	(4) 3/0 - 750mcm	(4) 3/0 - 750mcm	(3) #6 - 250mcm, (4) 3/0 - 750mcm	(2) #6 - 250mcm

