Double down on safety with Eaton's newest switch

Note: 100 A device shown. Fuses not included.

Eaton's double-door line isolation switch is the industry's first compartmentalized fusible safety switch, and the latest product in Eaton's expanding offering of enhanced safety switch devices. The revolutionary two-door design includes an internal barrier that separates the upper switching compartment from the lower fuse compartment. This allows operators to access the fuse compartment with no exposure to line-side power, providing enhanced safety during fuse replacement.

Powering Business Worldwide

Features and benefits

Improved safety

- **Isolation of fuse base from line-side power**
  Accomplished with individually covered compartments separated by an internal barrier
- **Observe position of the movable blades within the switch base**
  External window and enhanced visible blade components enable confirmation of whether the circuit is open or closed. Allows personnel to clearly see that the blades are disengaged from the stationary contacts when the switch is OFF
- **Prevent doors from being opened when switch is energized**
  Interlocking mechanism keeps door closed when handle is in the ON position and defeat mechanism enables user access when necessary
- **Maintain isolation from incoming line-side cables within fuse compartment**
  Barriered wireway for bottom feed applications—can be removed for top exit ❶

❶ For switch designs through 200 A.

Enhanced safety during maintenance

Simplified maintenance and testing

- Revolutionary design minimizes exposure, enhances safety and maximizes uptime when accessing load-side fuse compartment
- Screw-down fasteners on the upper switch compartment door add a layer of safety requiring a tool for entry, and include a padlocking means
- Optional lower viewing windows are available (for fuses with blown fuse indicators)
- Double-door designs accept many of the standard safety switch accessories—auxiliary contacts, control pole, neutrals, etc.

Increased flexibility

- Ratings—30 A through 1200 A, 240 Vac and 600 Vac
- NEMA® Type 12/3R and 4/4X enclosures available
- Optional voltage monitors provide additional verification as to whether or not the circuit is open
- Customized solutions are always available via Eaton's switching device Flex Center

  Phone: (888) 329-9272
  Email: FlexSwitches@Eaton.com

UL certifications

- UL® 98 standard, file no. E5239

Technical specifications

DD 3 6 3 F D K W - 00LO

Switch type
DD = Heavy-duty isolation switch

Poles/blades
2 = Two-pole
3 = Three-pole
4 = Four-pole

Voltage
2 = 240 Vac
6 = 600 Vac

Ampere rating

1 = 30 A	**5** = 400 A
2 = 60 A	**6** = 600 A
3 = 100 A	**7** = 800 A
4 = 200 A	**8** = 1200 A

Fusible/non-fusible or neutral
F = Fusible without neutral
N = Fusible with neutral
SN = Fusible with switched neutral

NEMA enclosure
D = NEMA 12/3R
W = NEMA 4X stainless

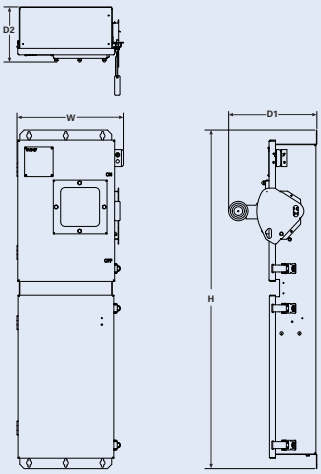
Series
K = K switch

Options
W = Upper viewing window

Options/modifications
00V1 = Voltage indicator line side
00V2 = Voltage indicator load side
00V3 = Voltage indicator line and load side
BLAK = Painted black
WHIT = Painted white
0RED = Painted red
0316 = 316 stainless steel
00NP = Custom nameplate
00TK = Trapped key (Kirk, superior)
00LW = Lower viewing window
00CP = Control pole (same make/same break)
0CP2 = Control pole (late make/early break)
0002 = 1NO/1NC auxiliary contact
0003 = 2NO/2NC auxiliary contact
00LO = Lock on

Dimensions in inches (mm)

Ampere rating	Height (H)	Width (W)	Depth (D1)	Depth (D2)
30/60	37.49 (952.3)	9.30 (236.2)	8.22 (208.8)	6.37 (161.8)
100	39.19 (995.4)	12.33 (313.2)	10.21 (259.3)	6.37 (161.8)
200	49.90 (1267.5)	17.18 (436.4)	11.62 (295.1)	7.31 (185.7)
400	72.46 (1840.5)	24.32 (617.7)	16.41 (416.8)	14.56 (369.8)
600	77.96 (1980.2)	25.32 (643.1)	19.31 (490.5)	17.80 (452.1)
800	86.73 (2202.9)	26.57 (674.9)	22.16 (562.9)	17.81 (452.4)
1200	91.02 (2312.0)	43.11 (1095.0)	27.18 (690.4)	21.23 (539.2)



Cable IN/OUT reference chart

	Top IN ❶	Bottom IN
Top OUT	■	—
Bottom OUT	■	■

❶ Remove wireway in bottom compartment. Necessary for 30 A–200 A units only.

Ratings and capacities

Ampere rating	Factory fuse class	Optional fuse class ❶	Standard lug capacities: Per phase — Min. wire size	Per phase — Max. wire size	Ground ❷ — Min. wire size	Ground ❷ — Max. wire size
30	H	J, R	#14	#2	#14	#4
60	H	J, R	#14	#2	#14	#4
100	H	J, R	#14	1/0	#14	#4
200	H	J, R, T	#6	300 kcmil	#14	#2
400	H	J, R, T	(2) 1/0 (1) 1/0	(2) 300 kcmil–1/0 or ❸ (1) 175 kcmil–1/0	#6	250 kcmil
600	H	J, R, T	(1) #2 (1) #2	(1) 600 kcmil and ❹ (1) 750 kcmil	#6	250 kcmil
800	L	T	(4) 1/0	(4) 750 kcmil	#6	250 kcmil
1200	L	T	(4) 1/0	(4) 750 kcmil	#6	250 kcmil

❶ Switches ranging from 30 A to 400 A can relocate clips/base for class J fuses. All other classes/amperages require a kit. Please consult catalog or contact the Technical Resource Center (TRC) for specific kit catalog numbers.

❷ Lay-in type lug uses 30 A–100 A. Two ground lugs are provided for 200 A–1200 A switches, each accommodating the wire range listed above.

❸ Single barrel lug that accepts one or two cables per phase as detailed above.

❹ Double barrel lug that accepts two cables per phase as detailed above.

For more information, visit
Eaton.com/doubledoor

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

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Double up on safety with

Eaton's double-door, line-side isolation switch

Voltage monitors

Verify line and/or load-side voltage with optional, easy-to-see voltage monitors

Viewing window

Get confirmation whether circuit is open or closed by easily observing blade position through viewing window

Internal barrier

Enhance safety by isolating incoming power from fuse compartment, furthering safety

Barriered wireway

Isolate bottom-fed cables within the cabinet (this feature can be removed for top exit applications)

Screw down latch

Benefit from the added level of security required when opening the line-side power compartment

Enhanced visible means of disconnect

New arc shield design permits view of trailing edge of blade when handle is in OFF position

Interlocking mechanism

Provide increased safety with interlocking mechanism that prevents both doors from being opened when handle is in ON position

Isolated fuse compartment

Eliminate exposure to line-side power when changing fuses with isolated fuse compartment

Latch fasteners

Gain easy access to lower compartment to change fuses or perform other maintenance

Note: Enlarge circled area view of front door closed.

For more information, visit
Eaton.com/doubledoor

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Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

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