Expanded double-throw safety switch line

1200A double-throw "stacked design" safety switch

Today's needs for double-throw safety switches have called for more power… with a smaller footprint.

Eaton's switching device product line is excited to introduce an expanded line of heavy-duty double-throw safety switches.

A market leader in switching devices, Eaton has complemented its existing line by adding 800A and 1200A fusible configurations, as well as a 1200A non-fusible design, all available for 240 Vac and 600 Vac systems. This creates the most expansive and complete line of double-throw switches in the market today, further solidifying Eaton's position as the market's leading manufacturer of these types of products.

Product enhancement

The new double-throw switches have been engineered using a stacked switch base design. This provides a key benefit for the customer, as fusible devices may require only one set of fuses—a significant cost savings. The stacked design feature also delivers a product that is notably smaller in size and lighter in weight. To help streamline installation, a Z bracket is included to simplify permanent wall mounting.

Like all Eaton safety switches, these new products are designed to accommodate a wide range of accessories that can be factory or field installed —and with Eaton's switching device Flex Center, customized solutions are always available.
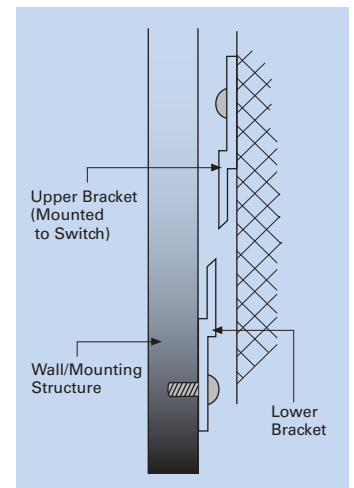
Applications

- Backup power
- HVAC
- Petrochem and chemical processing
- Water treatment

New product features

- Industry-leading "stacked" design for 800A fusible, 1200A fusible and 1200A non-fusible switches
- Reduced number of fuses required for one-load applications from two sources
- Suitable for use as service entrance
- Reduced enclosure size
- Wider breadth of product designs
- Quick-make, quick-break design
- Z bracket included to help simplify mounting

Benefits

- Cost savings—fewer fuses required
- Easier handling
- Overall reduced installed cost
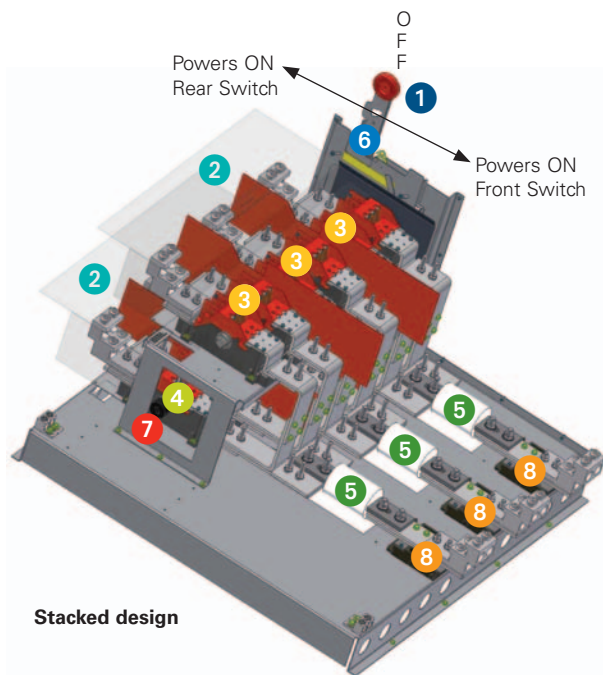- Broader application solutions

Z bracket
Z bracket mounts to wall; switch rests on bracket. Simplifies permanent mounting.

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Stacked design

Powers ON Rear Switch
Powers ON Front Switch
OFF

1200A double-throw safety switch

1 Palm-fitting, visible red handle; three-position handle allows a single load to be supplied by a normal or an alternate source.

2 Clear Lexan® line shield.

3 Front switch—triggered by the DOWN position on handle.

4 Rear switch—triggered by the UP position on handle.

5 One set of fuses—with this innovative stacked design, both switches can operate solely on one set.

6 Standard robust fast-acting switch mechanism.

7 Switch position visual indicator—visual colored indicator serves to see whether rear switch is OFF (green) or ON (red).

8 Common load-side mechanical lugs.

Ampere Rating (Main and Standby)	Vac	Catalog Number ❶				Lug Capacity			Dimensions			
		NEMA® 1	NEMA 3R	NEMA 12 ❷	NEMA 4X ❷	Minimum Wire Size	Maximum Wire Size	Wire Type	Height (H)	Width (W)	Depth (D)	Depth (D2)
Two-Pole												
800A non-fusible ❸	600	DT267UGK	DT267URK	—	—	(3) #250	(3) 500 kcmil	Cu/Al	63.31 (1608.1)	27.44 (696.9)	14.12 (358.6)	8.88 (225.6)
800A fusible ❹❺	240 600	DT227FGK DT267FGK	DT227FRK —	DT227FDK DT267FDK	DT227FWK —	(3) #250	(3) 500 kcmil	Cu/Al	58.86 (1495.1)	28.12 (714.3)	25.62 (650.7)	20.47 (520.0)
1200A non-fusible	600	DT268UGK	DT268URK	DT268UDK	DT268UWK	(4) #1/0	(4) 750 kcmil	Cu/Al	78.11 (1984.0)	42.62 (1082.6)	25.62 (650.7)	20.47 (520.0)
1200A fusible ❺	240	DT228FGK	DT228FRK	DT228FDK	DT228FWK	(4) #1/0	(4) 750 kcmil	Cu/Al	78.11 (1984.0)	42.62 (1082.6)	25.62 (650.7)	20.47 (520.0)
Three-Pole												
800A non-fusible ❸	240 600	DT327UGK DT367UGK	— DT367URK	— —	— —	(3) #250	(3) 500 kcmil	Cu/Al	63.31 (1608.1)	27.44 (696.9)	14.12 (358.6)	8.88 (225.6)
800A fusible ❹❺	240 600	DT327FGK DT367FGK	DT327FRK DT367FRK	DT327FDK DT367FDK	DT327FWK DT367FWK	(3) #250	(3) 500 kcmil	Cu/Al	58.86 (1495.1)	28.12 (714.3)	25.62 (650.7)	20.47 (520.0)
1200A non-fusible	600	DT368UGK	DT368URK	DT368UDK	DT368UWK	(4) #1/0	(4) 750 kcmil	Cu/Al	78.11 (1984.0)	42.62 (1082.6)	25.62 (650.7)	20.47 (520.0)
1200A fusible ❺	240 600	DT328FGK DT368FGK	DT328FRK DT368FRK	DT328FDK DT368FDK	DT328FWK DT368FWK	(4) #1/0	(4) 750 kcmil	Cu/Al	78.11 (1984.0)	42.62 (1082.6)	25.62 (650.7)	20.47 (520.0)
Four-Pole												
800A non-fusible ❸	600	DT467UGK	DT467URK	—	—	(3) #250	(3) 500 kcmil	Cu/Al	63.31 (1608.1)	27.44 (696.9)	14.12 (358.6)	8.88 (225.6)

❶ All products are available with a factory-installed neutral. For fusible catalog numbers, change "**F**" to "**N**". For non-fusible switches, add "**N**" to end of catalog number.

❷ As of November 2012, this product is not UL Listed. Consult factory for updates.

❸ Traditional design—switches are in a vertical arrangement—NOT a stacked design. Stacked design is reflected only in the 800A fusible, 1200A fusible and 1200A non-fusible.

❹ 800A fusible can allow two loads to be alternately supplied by a single power source. For applications involving two loads and one source, add "**R**" to end of catalog number.
   Note: This modification is a vertical arrangement and is NOT a stacked design.

❺ All 800A and 1200A fusible switches are designed to accept Class L fuses (field convertible to Class T).

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