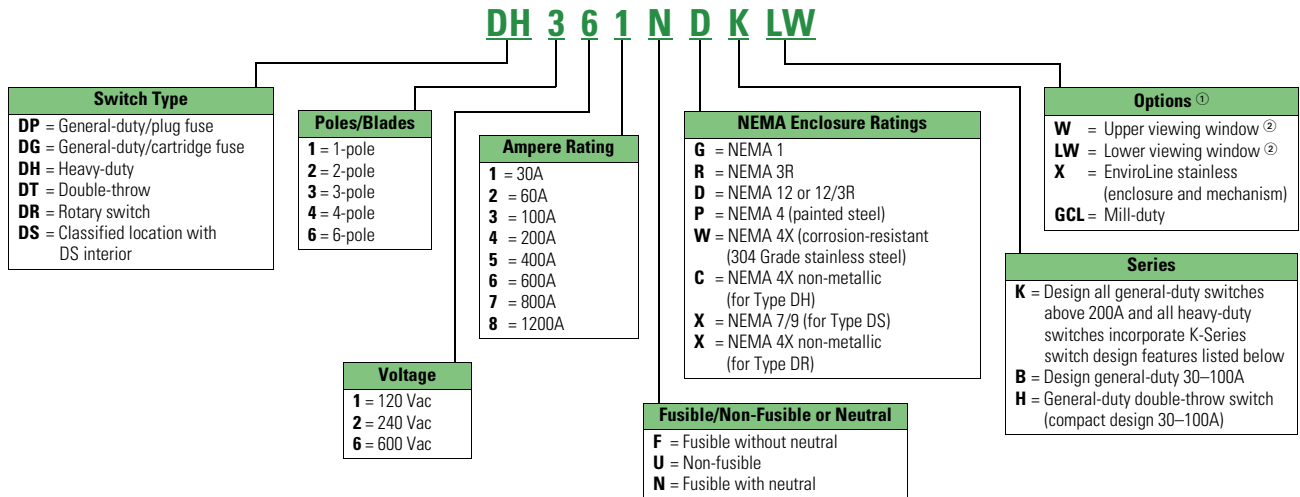


### Catalog Number Selection

#### Safety Switch



#### Notes

<sup>①</sup> See **Pages V2-T1-16 through V2-T1-19** for additional Flex Center options.

<sup>②</sup> Effective August 2003, 30–100A window switches are replaced by a full view window that allows blade position verification and blown fuse indication. See **Page V2-T1-39** for catalog numbers.

**This table is intended for use in breaking down existing catalog numbers. It is not intended for building new catalog numbers.**

A factory-installed ground lug is supplied in all heavy-duty safety switches.

## Heavy-Duty Safety Switch



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## Heavy-Duty

## Product Description

- 30–1200A
- 600 Vac, 600 Vdc maximum
- Horsepower rated
- Fusible and non-fusible switches are 100% load break and 100% load make rated
- The continuous load current of fusible switches is not to exceed 80% of the rating of fuses employed in other than motor circuits. Non-fusible switches are 100% fully rated
- Suitable for service entrance applications unless otherwise noted
- For factory modifications, refer to **Pages V2-T1-16** through **V2-T1-19**

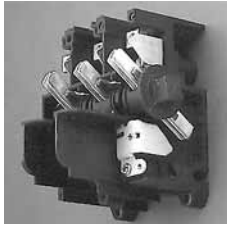
## Application Description

For heavy commercial and industrial applications where reliable performance and service continuity are critical.

For the toughest heavy commercial and industrial applications, refer to **Page V2-T1-76** for catalog information on our mill-duty safety switch

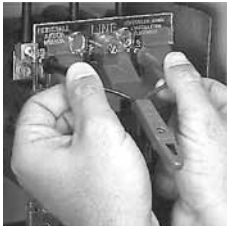
## Features, Benefits and Functions

- Deionizing arc chutes; arc chutes confine and suppress the arcs produced by opening contacts under load
- Mechanically interlocked cover to prevent easy access when the switch is in the ON position
- Clearly visible palm fitting red handle
- Complete accessory and renewal parts data shown on inner door label.
- 30–800A NEMA 12 designs convertible to NEMA 3R by opening factory-installed drain hole
- 30–1200A switches are seismic qualified and exceed the requirements of the Uniform Building Code® (UBC) and California Code Title 24
- Tri-lingual nameplates



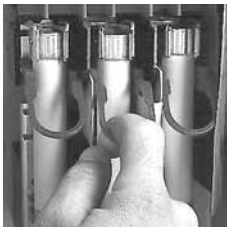
**Visible Double-Break Rotary Blade Mechanism**

- Two points of contact provide a positive open and close, easier operation, and also help prevent contact burning for longer contact life



**Clear Line Shield**

- Protects against accidental contact with energized parts. Probe holes enable the user to test if the line side is energized without removing the shield. Not typically provided on general-duty switches, but available as a field kit or factory installed



**Built-In Fuse Pullers (NEMA 12 and 4X 30–200A Only)**

- Provide easy removal of fuses



**Clearly Visible Handle**

- The position (ON or OFF) can be clearly seen from a distance and the length provides for easy operation



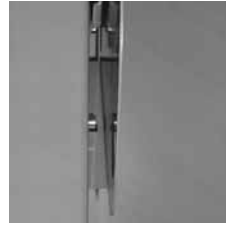
**Triple Padlocking Capability**

- Personnel safety feature because the large hasp can accommodate up to three 3/8-inch (9.5 mm) shank locks



**Additional Locking Capability**

- Cabinet door can be further padlocked at the top and bottom as applicable



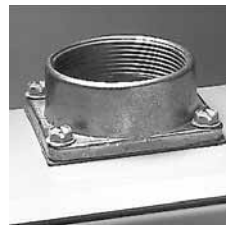
**Interlocking Mechanism**

- Door cannot be opened when the handle is in the ON position. Front and side operable defeater mechanism provides for user access when necessary on single-throw switches



**Tangential Knockouts**

- An ample number are provided on the top, bottom and sides of both NEMA Types 1 and 3R enclosures through 200A



**Bolt-On Hub Kits**

- For switches in a NEMA Type 3R, 30–200A. Use a Myers type hub for all others

#### Standards and Certifications

- UL listed File No. E5239
- Meets UL 98 for enclosed switches and NEMA Std. KS-1




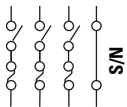
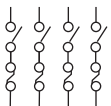
Listed

### Product Selection

DH221NRK



### 240 Vac Heavy-Duty, Fusible, Single-Throw, Fusible—NEMA 1, 3R

System	Ampere Rating	Fuse Type Provision	Maximum Horsepower Ratings				DC 250V	NEMA 1 Enclosure Indoor Catalog Number	NEMA 3R Enclosure Rainproof Catalog Number
			AC Standard Fuse		Time Delay				
			Single-Phase	Three-Phase	Single-Phase	Three-Phase			
<b>Two-Pole—240 Vac, 250 Vdc (Suitable for Service Entrance Use with a Neutral Kit Installed)</b>									
	30	H	1-1/2	—	—	—	5	DH221FGK	②
	60	—	—	—	—	—	—	②	②
	100	—	—	—	—	—	—	②	②
	200	—	—	—	—	—	—	②	②
	400	H	—	50 ①	—	125 ①	50	DH225FGK	DH225FRK
	600	H	—	75 ①	—	200 ①	—	DH226FGK	DH226FRK
	800	L	—	100 ①	—	—	—	DH227FGK	—
<b>Three-Wire (Two Blades, Two Fuses, S/N)—240 Vac, 250 Vdc</b>									
	30	H	1-1/2	3 ③	3	7-1/2 ③	5	DH221NGK	DH221NRK
	60	H	3	7-1/2 ③	10	15 ③	10	DH222NGK	DH222NRK
	100	H	7-1/2	15 ③	15	30 ③	20	DH223NGK	DH223NRK
	200	H	15	25 ③	15	60 ③	40	DH224NGK	DH224NRK
	400	H	—	50 ③	—	125 ③	50	DH225NGK	DH225NRK
	600	H	—	75 ③	—	200 ③	—	DH226NGK	DH226NRK
	800	L	—	100 ③	—	—	—	DH227NGK	DH227NRK
<b>Three-Pole—240 Vac, 250 Vdc (Suitable for Service Entrance Use with a Neutral Kit Installed)</b>									
	30	H	1-1/2	3	3	7-1/2	5	DH321FGK	DH321FRK
	60	H	3	7-1/2	10	15	10	DH322FGK	DH322FRK
	100	H	7-1/2	15	15	30	20	DH323FGK	DH323FRK
	200	H	15	25	15	60	40	DH324FGK	DH324FRK
	400	H	—	50	—	125	50	DH325FGK	DH325FRK
	600	H	—	75	—	200	—	DH326FGK	DH326FRK
	800	L	—	100	—	—	—	DH327FGK	DH327FRK
	1200	L	—	—	—	—	—	DH328FGK	DH328FRK
<b>Four-Wire (Three Blades, Three Fuses, S/N)—240 Vac, 250 Vdc</b>									
	30	H	1-1/2	3	3	7-1/2	5	DH321NGK	DH321NRK
	60	H	3	7-1/2	10	15	10	DH322NGK	DH322NRK
	100	H	7-1/2	15	15	30	20	DH323NGK	DH323NRK
	200	H	15	25	15	60	40	DH324NGK	DH324NRK
	400	H	—	50	—	125	50	DH325NGK	DH325NRK
	600	H	—	75	—	200	—	DH326NGK	DH326NRK
	800	L	—	100	—	—	—	DH327NGK	DH327NRK
	1200	L	—	—	—	—	—	DH328NGK	DH328NRK
<b>Four-Pole—240 Vac, 250 Vdc</b>									
	30	H	3	3	10	7-1/2	5	DH421FGK	④
	60	H	7-1/2	7-1/2	20	15	10	DH422FGK	④
	100	H	15	15	30	30	20	DH423FGK	④
	200	H	30	25	50	60	40	DH424FGK	④
	400	H	50	50	—	125	50	DH425FGK	④⑤
	600	H	—	75	—	200	—	DH426FGK	④⑤

#### Notes

- ① Horsepower ratings apply only when neutral is field installed and switch is used on a grounded B phase system.
- ② Use three-pole catalog numbers below.
- ③ Grounded B phase ratings, UL listed.
- ④ Use NEMA 12. NEMA 12 enclosures (30–1200A) can be field modified to meet NEMA 3R rainproof requirements when a factory provided drain hole is opened.
- ⑤ Contact the Safety Switch Flex Center (1-888-329-9272 or FlexSwitches@eaton.com) for availability of this product.

30A heavy-duty switches with Type J fuse provisions are available from the factory only. See table on **Page V2-T1-18** for catalog numbers.  
Suitable for service entrance use, except four-pole switches.