

Heavy-Duty, continued

Ampere Rating	Catalog Number Eaton	General Electric	Siemens	Square D
Fusible, Three-Pole, Four-Wire, 240 Vac, NEMA 3R				
30	DH321NRK	TH4321R	HF321NR	H321NRB
60	DH322NRK	TH4322R	HF322NR	H322NRB
100	DH323NRK	TH4323R	HF323NR	H323NRB
200	DH324NRK	TH4324R	HF324NR	H324NRB
400	DH325NRK	TH3325R ①	HF325NR	H325R
600	DH326NRK	TH3326R ①	HF326NR	H326R
800	DH327NRK	TC72367R ①	HF327NR	H327R
1200	DH328NRK	TC72368R ①	HF328NR	H328R
Non-Fusible, Three-Pole, Three-Wire, 240 Volt/600 Vac, NEMA 3R				
30	DH361URK	THN3361R	HNF361R	HU361RB
60	DH362URK	THN3362R	HNF362R	HU362RB
100	DH363URK	THN3363R	HNF363R	HU363RB
200	DH364URK	THN3364R	HNF364R	HU364RB
400	DH365URK	THN3365R	HNF365R	HU365R
600	DH366URK	THN3366R	HNF366R	HU366R
800	DH367URK	N/A	HNF367R	HU367R
1200	DH368URK	N/A	HNF368R	HU368R
Fusible, Two-Pole, Two-Wire, 240 Vac, NEMA 4/4X				
30	DH221NWK	TH2221SS	HF221S	H221DS
60	DH222NWK	TH2222SS	HF222S	H222DS
100	DH223NWK	TH3223SS	HF223S	H223DS
200	DH224NWK	TH3224SS	HF224S	H224DS
400	DH225FWK	TH3225SS	HF325S	H225DS
600	DH226FWK	TH3226SS	HF326S	H226DS
Fusible, Two-Pole, Three-Wire, 240 Vac, NEMA 4/4X				
30	DH221NWK	TH3221SS	HF321S ①	H221DS ①
60	DH222NWK	TH3222SS	HF322S ①	H222DS ①
100	DH223NWK	TH3223SS	HF323S ①	H223DS ①
200	DH224NWK	TH3224SS	HF324S ①	H224DS ①
400	DH225NWK	TH3225SS	HF325S ①	H225NDS
600	DH226NWK	TH3226SS	HF326S ①	H226NDS
800	DH227NWK	N/A	HF327S ①	N/A
Fusible, Three-Pole, Three-Wire, 240 Vac, NEMA 4/4X				
30	DH321FWK	TH3321SS	HF321S	H321DS
60	DH322FWK	TH3322SS	HF322S	H322DS
100	DH323NWK	TH4323SS	HF323S	H323DS
200	DH324NWK	TH4324SS	HF324S	H324DS
400	DH325FWK	TH4325SS	HF325S	H325DS
600	DH326FWK	TH4326SS	HF326S	H326DS
800	DH327FWK	N/A	HF327S	N/A
Fusible, Three-Pole, Four-Wire, 240 Vac, NEMA 4/4X				
30	DH321NWK	TH4321SS	HF321S ①	H321DS ①
60	DH322NWK	TH4322SS	HF322S ①	H322DS ①
100	DH323NWK	TH4323SS	HF323S ①	H323DS ①
200	DH324NWK	TH4324SS	HF324S ①	H324DS ①
400	DH325NWK	TH4325SS	HF325S ①	H325NDS
600	DH326NWK	TH4326SS	HF326S ①	H326NDS

Heavy-Duty, continued

Ampere Rating	Catalog Number Eaton	General Electric	Siemens	Square D
Fusible, Two-Pole, Two-Wire, 240 Vac, NEMA 12				
30	DH221NDK	TH2221J	HF221J	H221AWK
60	DH222NDK	TH2222J	HF222J	H222AWK
100	DH223NDK	TH3223J	HF223J	H223AWK
200	DH224NDK	TH3224J	HF224J	H224AWK
400	DH225FDK	TH3225J	HF325J	H225AWK
600	DH226FDK	TH3226J	HF326J	H226AWK
800	DH227FDK	N/A	HF327J	H227AWK
1200	N/A	N/A	N/A	H228AWK
Fusible, Two-Pole, Three-Wire, 240 Vac, NEMA 12				
30	DH221NDK	TH3221J	HF221J ①	H221AWK
60	DH222NDK	TH3222J	HF222J ①	H222AWK
100	DH223NDK	TH3223J	HF223J ①	H223AWK
200	DH224NDK	TH3224J	HF224J ①	H224AWK
400	DH225NDK	TH3225J	HF325J ①	H225NAWK
600	DH226NDK	TH3226J	HF326J ①	H226NAWK
800	DH227NDK	N/A	HF327J ①	H227NAWK
1200	N/A	N/A	N/A	H228NAWK
Fusible, Three-Pole, Three-Wire, 240 Vac, NEMA 12				
30	DH321FDK	TH3321J	HF321J	H321AWK
60	DH322FDK	TH3322J	HF322J	H322AWK
100	DH323FDK	TH4323J	HF323J	H323AWK
200	DH324FDK	TH4324J	HF324J	H324AWK
400	DH325FDK	TH4325J	HF325J	H325AWK
600	DH326FDK	TH4326J	HF326J	H326AWK
800	DH327FDK	N/A	HF327J	H327AWK
1200	N/A	N/A	N/A	H328AWK
Fusible, Three-Pole, Four-Wire, 240 Vac, NEMA 12				
30	DH321NDK	TH4321J	HF321J ①	H321AWK ①
60	DH322NDK	TH4322J	HF322J ①	H322AWK ①
100	DH323NDK	TH4323J	HF323J ①	H323AWK ①
200	DH324NDK	TH4324J	HF324J ①	H324AWK ①
400	DH325NDK	TH4325J	HF325J ①	H325NAWK
600	DH326NDK	TH4326J	HF326J ①	H326NAWK
800	N/A	N/A	HF327J ①	H327NAWK
1200	N/A	N/A	N/A	H328NAWK
Fusible, Four-Pole, Four-Wire, 240 Vac, NEMA 12				
30	DH421FDK	N/A	N/A	N/A
60	DH422FDK	N/A	N/A	N/A
100	DH423FDK	N/A	N/A	N/A
200	DH424FDK	N/A	N/A	N/A

Notes

① Separate neutral kit required.

Always verify the number of poles and wires required since catalog numbers may appear in multiple tables.

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 **Page V2-T1-15**

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-T1-77** for catalog information on our mill-duty safety switch.

316 Grade stainless steel is often a desirable choice for wastewater treatment plants and petrochemical facilities.

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
- Premium 316-Grade stainless steel enclosures offer better corrosion resistance in the presence of most chemicals, salts and acids, and is more resistant to marine atmospheres
- Visible double-break quick-make, quick-break blades
- Visible ON/OFF indication
- 30–1200A NEMA 12 designs convertible to NEMA 3R by opening factory-installed drain hole
- Tri-lingual nameplates

Standards and Certifications

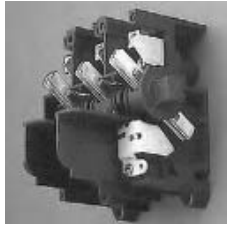
- UL listed File No. E5239
- Meets UL 98 for enclosed switches and NEMA Std. KS-1



Seismic Qualifications

- Heavy-duty switches exceed the requirements of Uniform Building Code (UBC) and California Code Title 24 OSP-0011-10, OSP-0012-10





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



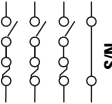
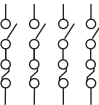
Bolt-On Hub Kits

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

DH322FWK



240 Vac Heavy-Duty, Single-Throw, Fusible—NEMA 4, 4X, 4X 316 Stainless-Steel

Maximum Horsepower Ratings								NEMA 4	NEMA 4X	NEMA 4X
System	Ampere Rating	Fuse Type Provision	AC		Time Delay		DC 250V	NEMA 4 Enclosure Watertight, Painted Steel Catalog Number	Enclosure Corrosion-Resistant, Stainless Steel Catalog Number	Enclosure Corrosion-Resistant, 316-Grade Stainless Steel Catalog Number
			Standard Fuse							
			Single-Phase	Three-Phase	Single-Phase	Three-Phase				
Two-Pole—240 Vac, 250 Vdc (Suitable for Service Entrance Use with a Neutral Kit Installed)										
	30	H	1-1/2	—	—	—	5	—	③	③
	60	—	—	—	—	—	—	—	③ or ④	③ or ④
	100	—	—	—	—	—	—	—	④	④
	200	—	—	—	—	—	—	—	④	④
	400	H	—	50 ①	—	125 ①	50	DH225FPK	④	④
	600	H	—	75 ①	—	200 ①	—	DH226FPK	④	④
	800	L	—	100 ①	—	—	—	—	④	④
Three-Wire (Two Blades, Two Fuses, S/N)—240 Vac, 250 Vdc										
	30	H	1-1/2	3 ②	3	7-1/2 ②	5	—	DH221NWK ⑤	DH221NWK316 ⑤
	60	H	3	7-1/2 ②	10	15 ②	10	—	DH222NWK	DH222NWK316
	100	H	7-1/2	15 ②	15	30 ②	20	—	DH223NWK	DH223NWK316
	200	H	15	25 ②	15	60 ②	40	—	DH224NWK	DH224NWK316
	400	H	—	50 ②	—	125 ②	50	DH225NPK	DH225NWK	DH225NWK316
	600	H	—	75 ②	—	200 ②	—	DH226NPK	DH226NWK	DH226NWK316
	800	L	—	100 ②	—	—	—	DH227NPK	DH227NWK	DH227NWK316
Three-Pole—240 Vac, 250 Vdc (Suitable for Service Entrance Use with a Neutral Kit Installed)										
	30	H	1-1/2	3	3	7-1/2	5	—	DH321FWK ⑤	DH321FWK316 ⑤
	60	H	3	7-1/2	10	15	10	—	DH322FWK	DH322FWK316
	100	H	7-1/2	15	15	30	20	—	DH323FWK	DH323FWK316
	200	H	15	25	15	60	40	—	DH324FWK	DH324FWK316
	400	H	—	50	—	125	50	DH325FPK	DH325FWK	DH325FWK316
	600	H	—	75	—	200	—	DH326FPK	DH326FWK	DH326FWK316
	800	L	—	100	—	—	—	DH327FPK	DH327FWK	DH327FWK316
	1200	L	—	—	—	—	—	—	DH328FWK	DH328FWK316
Four-Wire (Three Blades, Three Fuses, S/N)—240 Vac, 250 Vdc										
	30	H	1-1/2	3	3	7-1/2	5	—	DH321NWK ⑤	DH321NWK316 ⑤
	60	H	3	7-1/2	10	15	10	—	DH322NWK	DH322NWK316
	100	H	7-1/2	15	15	30	20	—	DH323NWK	DH323NWK316
	200	H	15	25	15	60	40	—	DH324NWK	DH324NWK316
	400	H	—	50	—	125	50	DH325NPK	DH325NWK	DH325NWK316
	600	H	—	75	—	200	—	DH326NPK	DH326NWK	DH326NWK316
	800	L	—	100	—	—	—	—	④	④
	1200	L	—	—	—	—	—	—	DH328NWK	DH328NWK316
Four-Pole—240 Vac, 250 Vdc ⑥										
	30	H	3	3	10	7-1/2	5	—	④	④
	60	H	7-1/2	7-1/2	20	15	10	—	④	④
	100	H	15	15	30	30	20	—	④	④
	200	H	30	25	50	60	40	—	④	④
	400	H	50	50	—	125	50	—	④	④
	600	H	—	75	—	200	—	—	④	④

Notes

- ① Horsepower ratings apply only when neutral is field installed and switch is used on a grounded B phase system.
- ② Grounded B phase ratings, UL listed.
- ③ Use three-pole catalog numbers below.
- ④ Contact the Safety Switch Flex Center (1-888-329-9272 or FlexSwitches@eaton.com) for availability of this product.
- ⑤ 30A heavy-duty switches with Type J fuse provisions are available from the factory only.
- ⑥ NOT suitable for service entrance use per NEC 215.10 and 230.95.