Product Description

- Used to open or close a circuit
- Non-fusible safety switches provide a means to manually connect or disconnect the load from the source
- Fusible safety switches provide a means to manually open and close a circuit and overcurrent protection by means of installed fuses
- Also commonly referred to as a disconnect switch or disconnect
- Available from 30 to 1200A

Standards and Certifications

- UL® 98
- UL 50
- NEMA KS-1

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, continued

Ampere Rating	Catalog Number Eaton	General Electric	Siemens	Square D
Fusible, Two-Pole, Two-Wire, 600 Vac, NEMA 1				
30	**DH261FGK**	TH2261DC	HF261	H361
60	**DH262FGK**	TH2262DC	HF262	H362
100	**DH263FGK**	TH2263DC	HF263	H363
200	**DH264FGK**	N/A	N/A	H364
400	**DH265FGK**	N/A	HF265	H265
600	**DH266FGK**	N/A	HF266	H266
800	**DH267FGK**	N/A	N/A	H267
1200	**N/A**	N/A	N/A	H268
Fusible, Three-Pole, Three-Wire, 600 Vac, NEMA 1				
30	**DH361FGK**	TH3361	HF361	H361
60	**DH362FGK**	TH3362	HF362	H362
100	**DH363FGK**	TH3363	HF363	H363
200	**DH364FGK**	TH3364	HF364	H364
400	**DH365FGK**	TH3365	HF365	H365
600	**DH366FGK**	TH3366	HF366	H366
800	**DH367FGK**	TC72367	HF367	H367
1200	**DH368FGK**	TC72368	HF368	H368
Fusible, Three-Pole, Four-Wire, 600 Vac, NEMA 1				
30	**DH361NGK**	TH3361 ①	HF361N	H361N
60	**DH362NGK**	TH3362 ①	HF362N	H362N
100	**DH363NGK**	TH3363 ①	HF363N	H363N
200	**DH364NGK**	TH3364 ①	HF364N	H364N
400	**DH365NGK**	TH3365 ①	HF365N	H365N
600	**DH366NGK**	TH3366 ①	HF366N	H366N
800	**DH367NGK**	TC72367 ①	HF367N	H367N
1200	**DH368NGK**	TC72368 ①	HF368 ①	H368N
Fusible, Four-Pole, Four-Wire, 600 Vac, NEMA 1				
30	**DH461FGK**	TH6661	N/A	H461
60	**DH462FGK**	TH6662	N/A	H462
100	**DH463FGK**	TH6663	N/A	H463
200	**DH464FGK**	TH6664	N/A	H464
400	**DH465FGK**	N/A	N/A	H465
600	**DH466FGK**	N/A	N/A	H466
Non-Fusible, Two-Pole, Two-Wire, 600 Vac, NEMA 1				
30	**DH261UGK**	THN2261DC	HNF261	HU361
60	**DH362UGK**	THN2262DC	HNF262	HU362
100	**DH263UGK**	THN2263DC	HNF263	HU363
200	**DH364UGK**	N/A	N/A	HU364
400	**DH265UGK**	N/A	HNF265	HU265
600	**DH266UGK**	N/A	HNF266	HU266
800	**DH267UGK**	N/A	N/A	HU267
1200	**N/A**	N/A	N/A	HU268

Heavy-Duty, continued

Ampere Rating	Catalog Number Eaton	General Electric	Siemens	Square D
Non-Fusible, Four-Pole, Four-Wire, 600 Vac, NEMA 1				
30	**DH461UGK**	THN6661	N/A	HU461
60	**DH462UGK**	THN6662	N/A	HU462
100	**DH463UGK**	THN6663	N/A	HU463
200	**DH464UGK**	THN6664	N/A	HU464
400	**DH465UGK**	N/A	N/A	HU465
600	**DH466UGK**	N/A	N/A	HU466
Fusible, Two-Pole, Two-Wire, 600 Vac, NEMA 3R				
30	**DH361FRK**	TH2261RDC	HF261R	H361RB
60	**DH362FRK**	TH2262RDC	HF262R	H362RB
100	**DH363FRK**	TH2263RDC	HF263R	H363RB
200	**DH364FRK**	N/A	N/A	H364RB
400	**DH365FRK**	N/A	N/A	H265R
600	**DH366FRK**	N/A	HF265R	H266R
800	**DH367FRK**	N/A	HF266R	H267R
1200	**DH368FRK**	N/A	N/A	H268R
Fusible, Three-Pole, Three-Wire, 600 Vac, NEMA 3R				
30	**DH361FRK**	TH3361R	HF361R	H361RB
60	**DH362FRK**	TH3362R	HF362R	H362RB
100	**DH363FRK**	TH3363R	HF363R	H363RB
200	**DH364FRK**	TH3364R	HF364R	H364RB
400	**DH365FRK**	TH3365R	HF365R	H365R
600	**DH366FRK**	TH3366R	HF366R	H366R
800	**DH367FRK**	TC72367R	HF367R	H367R
1200	**DH368FRK**	TC72368R	HF368R	H368R
Fusible, Three-Pole, Four-Wire, 600 Vac, NEMA 3R				
30	**DH361NRK**	TH3361R ①	HF361NR	H361NRB
60	**DH362NRK**	TH3362R ①	HF362NR	H362NRB
100	**DH363NRK**	TH3363R ①	HF363NR	H363NRB
200	**DH364NRK**	TH3364R ①	HF364NR	H364NRB
400	**DH365NRK**	TH3365R ①	HF365NR	H365NR
600	**DH366NRK**	TH3366R ①	HF366NR	H366NR
800	**DH367NRK**	TC72367R ①	HF367NR	H367NR
1200	**DH368NRK**	TC72368R ①	HF368R	H368NR
Non-Fusible, Three-Pole, Three-Wire, 600 Vac, NEMA 3R				
30	**DH361URK**	THN2261RDC	HNF261R	HU361RB
60	**DH362URK**	THN2262RDC	HNF262R	HU362RB
100	**DH363URK**	THN2263RDC	HNF263R	HU363RB
200	**DH364URK**	N/A	N/A	HU364RB
400	**DH365URK**	N/A	HNF265R	HU265R
600	**DH366URK**	N/A	HNF266R	HU266R
800	**DH367URK**	N/A	N/A	HU267R
1200	**DH368URK**	N/A	N/A	HU268R

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



Contents

Description	*Page*
Product Overview	**V2-T1-3**
General Duty	**V2-T1-26**
Heavy-Duty	
Standards and Certifications	**V2-T1-32**
Product Selection	**V2-T1-33**
Dimensions	**V2-T1-42**
Six-Pole Switches	**V2-T1-43**
Double-Throw Switches	**V2-T1-45**
EnviroLine—Stainless Steel Switch	**V2-T1-53**
EnviroLine—Upper and Lower Window Switches	**V2-T1-56**
EnviroLine—Receptacle Switches	**V2-T1-59**
EnviroLine—Non-Metallic KRYDON Switch	**V2-T1-61**
Shunt Trip Safety Switch	**V2-T1-63**
NEMA 7/9—Hazardous Location Disconnect Switch	**V2-T1-66**
Quick Connect Switches	**V2-T1-68**
Solar Disconnect Switch	**V2-T1-70**
316-Grade Stainless Steel Safety Switches	**V2-T1-72**
Mill-Duty Rated, Heavy-Duty, Fusible, Non-Fusible, Single-Throw	**V2-T1-76**
Heavy-Duty Fusible Safety Switches Accepting Cube Fuses	**V2-T1-78**
Elevator Control Switch	**V2-T1-81**
Auxiliary Power Heavy-Duty Safety Switch	**V2-T1-83**
Left-Handed Safety Switch	**V2-T1-86**
200% Neutral Safety Switches	**V2-T1-87**
Pringle Bolted Pressure Switch	**V2-T1-88**
Type DS, Fusible and Non-Fusible	**V2-T1-91**
Type Visi-Flex DE-ION	**V2-T1-94**
Flange Mounted—Variable Depth	**V2-T1-98**
Flange Mounted—Fixed Depth	**V2-T1-102**

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**

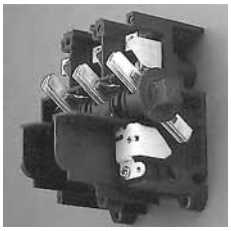
Application Description

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

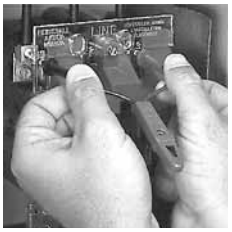
Features, Benefits and Functions

- 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

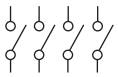
- UL listed File No. E5239
- Meets UL 98 for enclosed switches and NEMA Std. KS-1

UL Listed

DH362UGK



600 Vac Heavy-Duty, Non-Fusible, Single-Throw, 277/480–600V—NEMA 1, 3R

System	Ampere Rating	Maximum Horsepower Ratings Single-Phase AC 240V	480V	600V	Three-Phase AC 240V	480V	600V	DC 250V	600V	NEMA 1 Enclosure Indoor Catalog Number	NEMA 3R Enclosure Rainproof Catalog Number
Two-Pole—480 Vac—600 Vac or Vdc ① (Suitable for Service Entrance Use with a Neutral Kit Installed)											
	30	3	7-1/2	10	—	—	—	—	15	**DH261UGK**	**DH261URK**
	60	10	20	25	—	—	—	—	25	**DH262UGK**	**DH262URK**
	100	20	30	40	—	—	—	20	25	**DH263UGK**	**DH263URK**
	200	15	50	50	—	—	—	—	50	**DH264UGK**	**DH264URK**
	400	—	—	—	—	—	—	50	50	**DH265UGK**	**DH265URK**
	600	—	—	—	—	—	—	—	50	**DH266UGK**	**DH266URK**
	800	—	—	—	—	—	—	—	—	**DH267UGK**	**DH267URK**
	1200	—	—	—	—	—	—	—	—	②	—
Three-Pole—480 Vac—600 Vac, 250 Vdc (Suitable for Service Entrance Use with a Neutral Kit Installed)											
	30	3	7-1/2	10	10	20	30	5	—	**DH361UGK**	**DH361URK**
	60	10	20	25	20	50	60	10	—	**DH362UGK**	**DH362URK**
	100	20	40	50	40	75	100	20	—	**DH363UGK**	**DH363URK**
	200	15	50	50	60	125	150	40	—	**DH364UGK**	**DH364URK**
	400	—	—	—	125	250	350	50	—	**DH365UGK**	**DH365URK**
	600	—	—	—	200	400	500	—	—	**DH366UGK**	**DH366URK**
	800	—	—	—	—	500	500	—	—	**DH367UGK**	**DH367URK**
	1200	—	—	—	—	500	500	—	—	**DH368UGK**	**DH368URK**
Four-Pole—480 Vac—600 Vac, 250 Vdc											
	30	10 ③	20 ③	25 ③	10	20	30	5	—	**DH461UGK**	④
	60	20 ③	40 ③	50 ③	20	50	60	10	—	**DH462UGK**	④
	100	40 ③	50 ③	50 ③	40	75	100	20	—	**DH463UGK**	④
	200	50 ③	50 ③	50 ③	60	125	150	40	—	**DH464UGK**	④
	400	50 ③	—	—	125	250	350	50	—	**DH465UGK**	②④
	600	—	—	—	200	400	500	—	—	**DH466UGK**	②④
	800	—	—	—	—	—	—	—	—	②	②④

Notes

① DC rating for 800A switches is 250V.

② Contact the Safety Switch Flex Center (**1-888-329-9272** or FlexSwitches@eaton.com) for availability of this product.

③ Ratings are for two-phase AC.

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.

Suitable for service entrance use, except 1200A on 480Y/277 or 600Y/347 grounded wye systems, per NEC 215.10 and 230.95, and four-pole switches.