Heavy Duty Safety Switch Standards and Ratings

Standards

- UL98 approved per file #E4776
- Suitable for use as service entrance equipment (where applicable)
- Meets NEMA standard KS-1-1990 for Type HD switches
- Seismic qualification – all switches have been tested and comply with the 2007 California Building Code CBC (Zone 4)

Ratings

- 30-1200A, 240V and 600V AC and DC
- 2, 3, 4 and 6 pole fusible and non-fusible
- All HD safety switches are both HP and load break rated
- Enclosures are available to meet NEMA 1, 3R, 12 & 4/4X requirements

Safety Switch AIC Ratings When Protected by Fuses

- 30-600A – 10,000 AIC with Class H fuses
- 30-600A – 200,000 AIC with Class R, J or T fuses
- 800 & 1200A – 200,000 AIC with Class L or T fuse

Fuse Provisions supplied in fusible switches

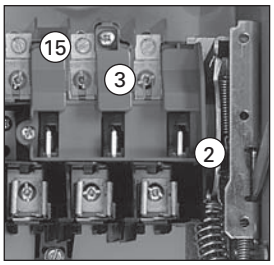
- 30 & 60A 240V – Class H standard, Class R with kit
- 100-600A 240V – Class H standard, Class J by moving load base, Class R with kit
- 30-600A 600V - Class H standard, Class J by moving load base, Class R with kit
- 100 & 200A - Class T with kit
- 400 & 600A - Class H standard, Class J & T by moving load base, Class R with kit
- 800A – Class L standard, Class T by moving load base
- 1200A – Class L standard, Class T with kit (240V max)

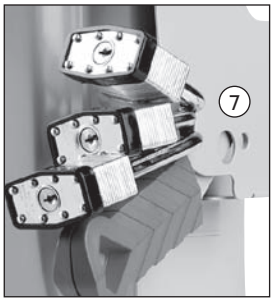
Non- Fusible Safety Switch AIC Ratings When Protected by a Circuit Breaker①②

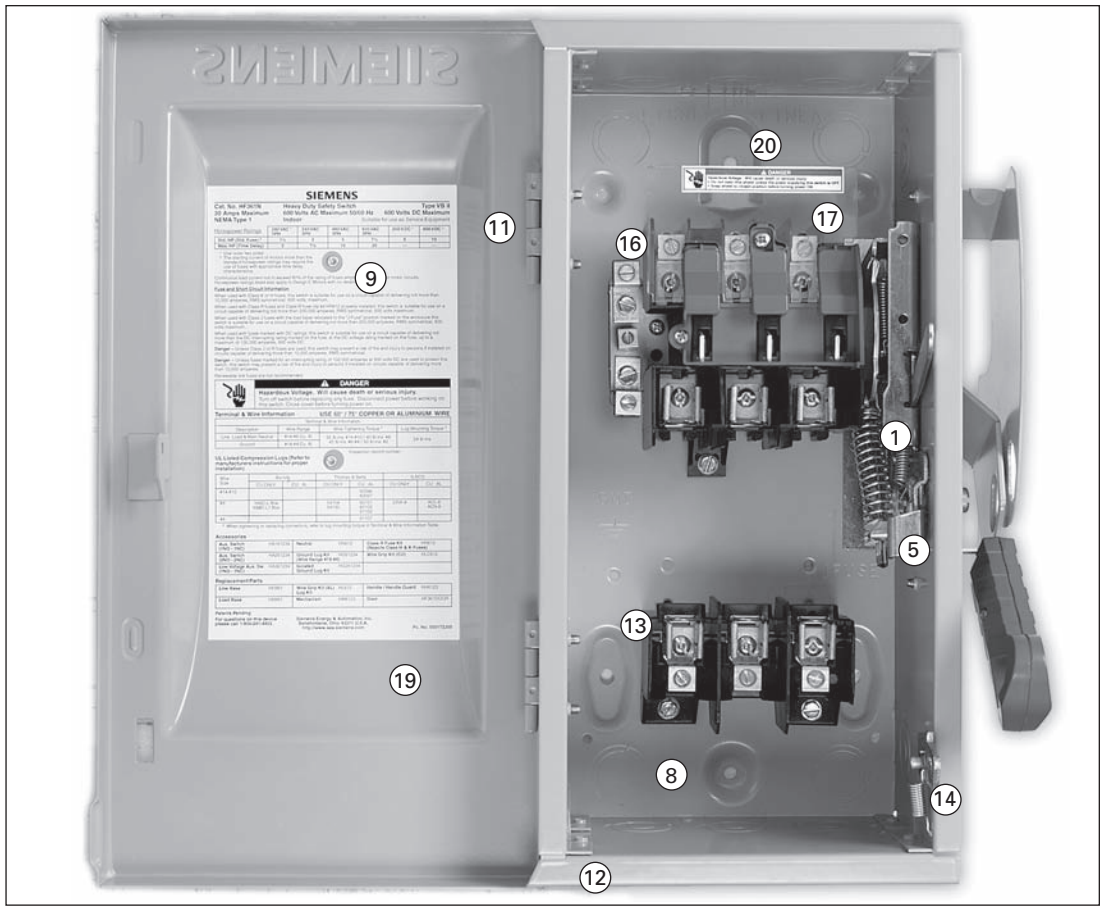
Breaker Frame	Non-Fused Switch	UL Listed Short Circuit Current Rating
NEG, NGB, ED4	30 DT (240V)	18 kA Thru 240 VAC
NEB, NEG, NGG, NGB, ED4	60-100A GD & DT (240V)	18 kA Thru 240 VAC
NEB, NEG, NGG, NGB, ED4	30-100A HD & DT (600V)	18 kA Thru 480 VAC
ED6	30-100A HD & DT (600V)	18 kA Thru 600 VAC
FD6-A, JD6-A	200A HD & DT (600V)	18 KA Thru 600 VAC
JD6-A, LD6-A	400A GD & DT (240V)	18 kA Thru 240 VAC
JD6-A, LD6-A	400A HD & DT (600V)	18 kA Thru 600 VAC
LD6-A	600A GD & DT (240V)	25kA Thru 240 VAC
LD6-A	600A HD & DT (600V)	25kA Thru 600 VAC
NNG	1200A HD & DT (600V)	25 kA Thru 600 VAC

① All switches above are rated at 10 KA when protected by any UL Listed CB
② Circuit breaker trip rating must not exceed switch ampere rating

Features







1. Quick-make, quick-break operating mechanism that ensures positive operation.
2. Visible blade, double-break switching action.
3. Arc chutes dissipate heat and prolong switch life.
4. Highly visible red handle grip. Designed for hook stick operation.
5. Defeatable dual cover interlock.
6. Center punch provided for field drilling to allow ON padlocking.
7. Handle can be padlocked in the OFF position with up to (3) padlocks with 5/16" hasps.
8. Generous top, bottom and side gutters that meet or exceed NEC wire-bending space requirements.
9. Informative door labeling which includes replacement parts list.
10. Tangential knockouts through 600A for easy conduit lineup.
11. Side-hinged door that opens past 180 degrees for easier wiring.
12. Unique enclosure design increases rigidity and prevents cuts and scrapes to conductors and installer's hands.
13. Spring reinforced fuse clips that assure reliable contact for cool operation.
14. Door latch securely holds door closed and allows cover padlocking.
15. Front removable mechanical lugs that are suitable for CU/Al 60 or 75° C conductors.
16. Lugs are field convertible to copper body and to a wide variety of compression connectors.
17. Hinged clear line terminal shield with probe holes for inspecting or testing line side terminals.
18. Embossed aluminum nameplate on Heavy Duty Switches provides highly visible ON/OFF indication.
19. Drawn cover for increased rigidity and resistance to abuse.
20. Top key hole and bottom mounting holes provide easy 2 or 3 point mounting.

Selection

System	Ampere Rating	Indoor — Type 1 Catalog Number	Indoor — Type 1 Ship. Wt. (lbs.) Std. Pkg.	Outdoor — Type 3R Catalog Number	Outdoor — Type 3R Ship. Wt. (lbs.) Std. Pkg.	Horsepower Ratings④ 480V AC 1-Phase, 2-Wire Std.	480V AC 1-Phase, 2-Wire Max.	480V AC 3-Phase, 3-Wire Std.	480V AC 3-Phase, 3-Wire Max.	600V AC 1-Phase, 2-Wire Std.	600V AC 1-Phase, 2-Wire Max.	600V AC 3-Phase, 3-Wire Std.	600V AC 3-Phase, 3-Wire Max.	250 Volt DC	600 Volt DC
600 Volt Fusible⑤															
2-Pole, 2-Fuse③														**480 Volt AC/600 Volt AC/600 Volt DC**	
	30	HF261	15	HF261R	15	3	7½	—	—	3	10	—	—	5	15
	60	HF262	20	HF262R	20	5	20	—	—	10	25	—	—	10	30
	100	HF263	26	HF263R	27	10	30	—	—	15	40	—	—	20	50
	400	HF265■	149	HF265R■	152	—	50	—	—	50	—	—	—	40	50
	600	HF266■	150	HF266R■	155	—	50	—	—	50	—	—	—	50	50
3-Pole, 3-Fuse														**480 Volt AC/600 Volt AC/250 Volt DC①**	
	30	HF361	14	HF361R	15	3	7½	5	15	3	10	7½	20	5	—
	30	HF361L⑦	19	HF361RL⑦	20	3	7½	5	15	3	10	7½	20	5	—
	60	HF362	19	HF362R	20	5	20	15	30	10	25	15	50	10	30⑧
	60	— —	—	HF362RL⑦	25	5	20	15	30	10	25	15	50	10	30⑧
	100	HF363	24	HF363R	25	5	20	25	60	15	40	30	75	20	50⑧
	200	HF364	48	HF364R	49	25	50	50	125	30	50	60	150	40	50
	400	HF365H②	136	HF365RH②	137	—	—	100	250	—	—	125	350	50	—
	400	HF365	154	HF365R	157	—	—	100	250	—	—	125	350	50	—
	600	HF366H②	138	HF366RH②	141	—	—	150	400	—	—	200	500	50	—
	600	HF366	157	HF366R	161	—	—	150	400	—	—	200	500	50	—
	800	HF367	365	HF367R	365	—	—	200	500	—	—	250	500	50	—
	1200	HF368	383	HF368R	385	—	—	200	500	—	—	250	500	50	—
3-Pole, 3-Fuse and Solid Neutral														**480 Volt AC/600 Volt AC/250 Volt DC①**	
	30	HF361N	14	HF361NR	15	3	7½	5	15	3	10	7½	20	5	—
	60	HF362N	19	HF362NR	20	5	20	15	30	10	25	15	50	10	30⑧
	100	HF363N	25	HF363NR	26	10	30	25	60	15	40	30	75	20	50⑧
	200	HF364N	49	HF364NR	50	25	50	50	125	30	50	60	150	40	50
	400	HF365N	158	HF365NR	162	—	—	100	250	—	—	125	350	50	—
	600	HF366N	161	HF366NR	165	—	—	150	400	—	—	200	500	50	—
	800	HF367N	375	HF367NR	375	—	—	250	500	—	—	250	500	50	—
	1200	HF368N	395	HF368NR	388	—	—	250	500	—	—	250	500	50	—
600 Volt Fusible⑤ (For 2-Pole Applications use outside poles of 3-Pole Switches)															
2-Pole, 2-Fuse③														**480 Volt AC/600 Volt AC/600 Volt DC**	
		Type 4/4X Stainless⑨		Type 12 Industrial⑥											
	30	HF261S	15	HF261J■	15	3	7½	—	—	3	10	—	—	5	15
	60	HF262S	20	HF262J■	20	5	20	—	—	10	25	—	—	10	30
	100	HF263S■	27	HF263J■	27	10	30	—	—	15	40	—	—	20	50
	400	HF265S■	153	HF265J■	155	—	50	—	—	50	—	—	—	40	50
	600	HF266S■	156	HF266J■	156	—	50	—	—	50	—	—	—	50	50
3-Pole, 3-Fuse														**480 Volt AC/600 Volt AC/250 Volt DC①**	
	30	HF361S	13	HF361J	14	—	—	5	15	—	—	7½	20	5	—
	60	HF362S	20	HF362J	20	—	—	15	30	—	—	15	50	10	30⑧
	100	HF363S	25	HF363J	25	—	—	25	60	—	—	30	75	20	50⑧
	200	HF364S	49	HF364J	49	—	—	50	125	—	—	60	150	40	50
	400	HF365S	158	HF365J	160	—	—	100	250	—	—	125	350	50	—
	600	HF366S	161	HF366J	161	—	—	150	400	—	—	200	500	50	—
	800	HF367S	370	HF367J■	365	—	—	200	500	—	—	250	500	50	—
	1200	HF368S■	388	HF368J■	388	—	—	250	500	—	—	250	500	50	—

■ Built to order. Allow 3-5 weeks for delivery.

① 60-200A 3-Pole switches are also rated 600V DC.

② Height reduced switch (45.25 rather than 56 inches in height) for use with 500MCM or smaller conductors.

③ Use 3-Pole switch for 200A applications.

④ Dual horsepower ratings: Std.- applies when non-time delay fuses are installed. Max.- applies when time-delay fuses are installed.

⑤ Suitable for use as service entrance equipment except on 1200 Amp solidly grounded wye systems per NEC 230.95.

⑦ Indicates oversized enclosure (30A switch with 60A lugs in a 60A enclosure or 60A switch with 100A lugs in a 100A enclosure).

⑧ 600V DC & 600V DC horsepower rating shown requires (2) poles to be connected in series.

⑨ 304 grade stainless steel. For switches with enclosures constructed from 316 grade stainless steel, see page 18/9.