

## Heavy Duty Safety Switches

240 Volt  
Class 3110

Visible blade heavy duty safety switches are designed for application where maximum performance and continuity of service are required. All heavy duty safety switches feature quick-make, quick-break operating mechanism, a dual cover interlock and a color coded indicator handle. They are suitable for use as service equipment when equipped with a field or factory installed neutral assembly or equipment grounding kit, unless a 600Y/347 V or 480 Y/277 V, 1000 A or greater, solidly grounded WYE system is used, per NEC 215-10. Heavy duty safety switches are UL Listed (except as noted), File E2875 & 154828 and meet or exceed the NEMA Standard KS1. For UL Listed short circuit current ratings, see page 3-6.



NEMA 1      NEMA 3R      NEMA 4, 4X and 5 Stainless Steel      NEMA 12

### 240 Volt—Single Throw Fusible

System	Amps	NEMA 1 Indoor		NEMA 3R Rainproof (Bolt-on Hubs, page 3-9)		NEMA 4, 4X, 5, ▲ (304 Stainless Steel) Dusttight, Watertight, Corrosion Resistant (Watertight Hubs, page 3-9)		NEMA 12K With Knockouts (Watertight Hubs, page 3-9)		NEMA 12, 3R♦ Without Knockouts (Watertight Hubs, page 3-9)		Horsepower Ratings ■				250 Vdc □
												240 Vac		1Ø	3Ø	
		Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Std. (Using Fast Acting, One Time Fuses)	Max. (Using Dual Element, Time Delay Fuses)			
													1Ø	3Ø	1Ø	3Ø
<b>2 Wire (2 Blades and Fuseholders)—240 Vac, 250 Vdc</b>																
	30	Use 3 Wire Devices For 2 Wire Applications				H221DS	—	H221A	—	H221AWK	—	1½	3 ★	3	7½★	5
	30					—	—	—	—	H2212AWK▼	—	1½	—	3	—	5
	60					H222DS	—	—	—	H222AWK	—	3	7½★	10	15 ★	10
	100					H223DS	—	H223A	—	H223AWK	—	7½	15 ★	15	30 ★	20
	200					H224DS	—	H224A	—	H224AWK	—	15	25 ★	—	60 ★	40
	400	H225		H225R		H225DS	—	—	—	H225AWK	—	—	—	—	—	50
	600	H226		H226R		H226DS	—	—	—	H226AWK	—	—	75 ★	—	200 ★	50
	800	H227		H227R▲		—	—	—	—	H227AWK	—	50	—	50	—	50
1200	H228		H228R▲		—	—	—	—	H228AWK	—	50	—	50	—	50	
<b>3 Wire (2 Blades and Fuseholders, 1 Neutral)—240 Vac, 250 Vdc</b>																
	30	H221N		H221NRB		Use 2 Wire Devices, Field Installable Solid Neutral Assemblies Order Separately. See page 3-10				—	1½	3 ★	3	7½★	5	
	60	H222N		H222NRB						—	3	7½★	10	15 ★	10	
	100	H223N		H223NRB						—	7½	15 ★	15	30 ★	20	
	200	H224N		H224NRB						—	15	25 ★	—	60 ★	40	
	400	H225N		H225NR		H225NDS	—	—	—	H225NAWK	—	—	50 ★	—	125 ★	50
	600	H226N		H226NR		H226NDS	—	—	—	H226NAWK	—	—	75 ★	—	200 ★	50
	800	H227N		H227NR▲		—	—	—	—	H227NAWK	—	50	100	50	250	50
	1200	H228N		H228NR▲		—	—	—	—	H228NAWK	—	50	—	50	—	50
<b>3 Wire (3 Blades and Fuseholders)—240 Vac, 250 Vdc</b>																
	30	Use 4 Wire Devices For 3 Wire Applications				H321DS	—	H321A	—	H321AWK	—	1½	3	3	7½	5
	60					H322DS	—	H322A	—	H322AWK	—	3	7½	10	15	10
	100					H323DS	—	H323A	—	H323AWK	—	7½	15	15	30	20
	200					H324DS	—	H324A	—	H324AWK	—	15	25	—	60	40
	400	H325		H325R		H325DS	—	—	—	H325AWK	—	—	50	—	125	50
	600	H326		H326R		H326DS	—	—	—	H326AWK	—	—	75	—	200	50
	800	H327		H327R▲		—	—	—	—	H327AWK	—	50	100	50	250	50
	1200	H328		H328R▲		—	—	—	—	H328AWK	—	50	100	50	250	50
<b>4 Wire (3 Blades and Fuseholders, 1 Neutral)—240 Vac, 250 Vdc</b>																
	30	H321N		H321NRB		Use 3 Wire Devices, Field Installable Solid Neutral Assemblies Order Separately. See page 3-10				—	1½	3	3	7½	5	
	60	H322N		H322NRB						—	3	7½	10	15	10	
	100	H323N		H323NRB						—	7½	15	15	30	20	
	200	H324N		H324NRB						—	15	25	—	60	40	
	400	H325N		H325NR		H325NDS	—	—	—	H325NAWK	—	—	50	—	125	50
	600	H326N		H326NR		H326NDS	—	—	—	H326NAWK	—	—	75	—	200	50
	800	H327N		H327NR▲		—	—	—	—	H327NAWK	—	50	100	50	250	50
	1200	H328N		H328NR▲		—	—	—	—	H328NAWK	—	50	100	50	250	50
<b>4 Wire (4 Blades and Fuseholders)</b>																
	30	Use 600 Vac Devices. See page 3-5.														
	60															
	100															
	200															
	600															

▲ Complete rating is NEMA 3, 3R, 4, 4X, 5 and 12. For NEMA 3R applications, remove drain screw from bottom endwall.  
 ■ Refer to page 6-35 for additional motor application data. The starting current of motors of more than standard horsepower may require the use of fuses with appropriate time delay characteristics.  
 ♦ Also suitable for NEMA 3R application by removing drain screw from bottom endwall.  
 ★ For corner grounded delta systems only and with neutral assembly installed. Use switching poles for ungrounded conductors.  
 ▼ 60 ampere switch with 30 ampere fuse spacing and clips. Must use 60 A enclosure accessories including electrical interlocks.  
 ▲ Suitable for NEMA 5 applications with drain screw installed.  
 □ For switching DC, use two switching poles.






Dimensions NEMA 1 and 3R ..... page 3-12  
 NEMA 4, 4X and 5 Stainless and NEMA 12 ..... page 3-13  
 Accessories ..... pages 3-9 through 3-11

## Heavy Duty Safety Switches

600 Volt

Class 3110

### 600 Volts—Single Throw Fusible

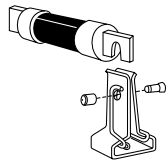
System	Amps	NEMA 1 Indoor		NEMA 3R Rainproof (Bolt-on Hubs, page 3-9)		NEMA 4, 4X, 5A (304 Stainless Steel) Dusttight, Watertight, Corrosion Resistant (Watertight Hubs, page 3-9)		NEMA 12K With Knockouts (Watertight Hubs, page 3-9)		NEMA 12, 3R+ Without Knockouts (Watertight Hubs, page 3-9)		Horsepower Ratings ■				dc ▼			
		Cat. No.		Price		Cat. No.		Price		Cat. No.		Price		480 Vac		600 Vac		250	600
		Std. (Using Fast Acting, One Time Fuses)	Max. (Using Dual Element, Time Delay Fuses)	Std. (Using Fast Acting, One Time Fuses)	Max. (Using Dual Element, Time Delay Fuses)	3Ø		3Ø		3Ø		3Ø							
<b>2 Wire (2 Blades and Fuseholders)—600 Vac, 600 Vdc</b>																			
	30	Use 3 Wire Devices For 2 Wire Applications										—	—	—	—	—	—	—	
	60											—	—	—	—	—	—	—	
	100											—	—	—	—	—	—	—	
	200											—	—	—	—	—	—	—	
	400	H265		H265R		H265DS		—	—	H265AWK		100★	250★	—	—	—	—	50	—
	600	H266		H266R		H266DS		—	—	H266AWK		150★	400★	—	—	—	—	—	—
800	H267		H267R ◊		—		—	—	H267AWK		—	—	—	—	—	—	50	50	
1200	H268		H268R ◊		—		—	—	H268AWK		—	—	—	—	—	—	50	50	
<b>3 Wire (3 Blades and Fuseholders)—600 Vac, 600 Vdc ▼</b>																			
	30	H361		H361RB		H361DS		H361A		H361AWK		5	15	7½	20	5	15		
	30	H361-2□		H3612RB□		—		H361-2A □		H3612AWK□		5	15	7½	20	—	15		
	60	H362		H362RB		H362DS		H362A		H362AWK		15	30	15	50	—	30		
	100	H363		H363RB		H363DS		H363A		H363AWK		25	60	30	75	—	50		
	200	H364		H364RB		H364DS		H364A		H364AWK		50	125	60	150	40	50		
	400	H365		H365R		H365DS		—	—	H365AWK		100	250	125	350	50	50		
	600	H366		H366R		H366DS		—	—	H366AWK		150	400	200	500	50	50		
	800	H367		H367R ◊		—		—	—	H367AWK		200	500	250	500	50	50		
	1200	H368		H368R ◊		—		—	—	H368AWK		200	500	250	500	50	50		
<b>4 Wire (3 Blades and Fuseholders, 1 Neutral)—600 Vac, 600 Vdc ▼</b>																			
	30	H361NRB		H361NRB		Use 3 Wire Devices Field Installable Solid Neutral Assemblies. Order Separately. See page 3-10					5	15	7½	20	—	15			
	60	H362NRB		H362NRB							15	30	15	50	—	30			
	100	H363NRB		H363NRB							25	60	30	75	—	50			
	200	H364NRB		H364NRB		H364NDS		H364NA		H364NAWK		50	125	60	150	40	50		
	400	H365NR		H365NR		H365NDS		—	—	H365NAWK		100	250	125	350	50	50		
	600	H366NR		H366NR		H366NDS		—	—	H366NAWK		150	400	200	500	50	50		
	800	H367NR		H367NR ◊		—		—	—	H367NAWK		200	500	250	500	50	50		
	1200	H368NR		H368NR ◊		—		—	—	H368NAWK		200	500	250	500	50	50		
	<b>4 Wire (4 Blades and Fuseholders)—600 Vac, 600 Vdc ★</b>																		
	30	H461		—		H461DS		—	—	H461AWK		7½	20	10	25	5	15		
	60	H462		—		H462DS		—	—	H462AWK		15	40	20	50	10	30		
	100	H463		—		H463DS		—	—	H463AWK		25	50	30	75	20	30		
	200	H464		—		H464DS		—	—	H464AWK		50	—	50	—	40	50		
	400	H465△		—		—		—	—	H465AWK		—	—	—	—	—	—		
	600	H466△		—		—		—	—	—		—	—	—	—	—	—		
<b>6 Wire (6 Blades and Fuseholders)—600 Vac ★</b>																			
	100	—	—	—	—	H663DS		—	—	H663AWK		25	60	30	75	—	—		
	200	—	—	—	—	H664DS		—	—	H664AWK		For applications requiring motor disconnect capability, use electrical interlock. Refer to page 3-9.							

- ▲ Complete rating is NEMA 3, 3R, 4, 4X, 5 and 12.
- Refer to page 6-35 for additional motor application data. The starting current of motors of more than standard horsepower may require the use of fuses with appropriate time delay characteristics.
- ◆ Also suitable for NEMA 3R application by removing drain screw from bottom endwall.
- ★ For corner grounded delta systems only and with neutral assembly installed. Use switching poles for ungrounded conductors.
- ▼ On 3-Pole devices, use two outside poles for switching DC.
- △ 600 Vac only.
- 60 ampere switch with 30 ampere fuse spacing and clips. Must use 60 A enclosure accessories including electrical interlocks.
- ◊ Suitable for NEMA 5 applications with drain screw installed.
- ★ Not suitable for use as service equipment.

### Class H Fuse Provisions:

Fusible 30 through 600 ampere heavy duty safety switches accept Class H fuses as standard. With Class H fuses installed, the switch is UL Listed for use on systems with up to 10,000 RMS symmetrical amperes available fault current.

### Class R Fuse Provisions:



Fusible 30 through 600 ampere heavy duty safety switches will accept Class R fuses as standard. A field installable rejection kit is available which, when installed, rejects all but Class R fuses. With the installation of the rejection kit and Class R fuses, the switch is UL Listed for use on systems with up to 200,000 RMS symmetrical amperes available fault current. See Class R fuse kits on page 3-9.

### Class J Fuse Provisions:

Provisions for installing Class J fuses are included in 30 through 400 ampere 600 Volt, and 100 through 400 ampere 240 Volt, fusible heavy duty safety switches. Conversion to Class J fuse spacing requires relocating the load side fuse base assembly from the standard Class H fuse location to an alternate position as marked in the enclosure. With Class J fuses installed, the switch is UL Listed for use on systems with up to 200,000 RMS symmetrical amperes available fault current. Switches rated 600 amperes, 240 or 600 Volt, require the addition of an adapter kit, H600J at One kit per 3-pole switch.

### Class L Fuse Provisions:

Fusible 800 A and 1200 A safety switches use Class L bolt-in fuses and are rated for use on systems with up to 200,000 RMS symmetrical amperes at 600 Vac maximum. 1200 A switches accept class L fuses from 601–1200 A, 800 A switches accept class L fuses from 601–800 A.

Dimensions NEMA 1 and 3R ..... page 3-12  
 NEMA 4, 4X and 5 Stainless and NEMA 12 ..... page 3-13  
 Accessories ..... pages 3-9 through 3-11

