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SQUARE D

240 Volt Single-Throw Fusible Switches

						Class R	Line Side		Hor	sepower R	atings	
Ampere	Type 1	Type 3R	Equipment Ground Kit	Type 12	Type 4X 304 SS	Fuse Kits	Barriers	Std (Fas One-Tim	e Fuses)	Time-De	al Element lay Fuses)	250 Vdc
								1 PH	3 PH	1 PH	3 PH	
3 Wire (2 B	lade and Fuseho	older, 1 neutral) –24	0 Vac 250 Vdc									
30	VH221BGL	VH221BRBGL	GTK03	VH221BAWKG- L	VH221BDSGL	RFK03L	Factory Included	1-1/2	3	3	7-1/2	5
60	VH222BGL	VH222BRBGL	GTK03	VH222BAWKG- L	VH222BDSGL	RFK03H	Factory Included	3	7-1/2	10	15	10
100	VH223BGL	VH223BRBGL	GTK0610	VH223BAWKG- L	VH223BDSGL	RFK10	Factory Included	7-1/2	15	15	30	20
200	VH224BGL	VH224BRGL	PKOGTA2	VH224BAWKG- L	VH224BDSGL	HRK1020	Factory Included	15	25	_	60	40
400	CH225N	CH225NR	PKOGTA2	CH225NAWK	CH225NDS	HRK4060	LSBG202		50	_	125	50
600	CH226N	CH226NR	PKOGTA2	CH226NAWK	CH226NDS	HRK4060	LSBG202	_	75	_	200	50
800	CH227N	CH227NR	PKOGTA7	CH227NAWK		_	LSBF202	50	-	_	_	50
1200	CH228N	CH228NR	PKOGTA8	CH228NAWK	_	_	LSBF202	50	_	_	_	50
4 Wire (3 B	lade and Fuseho	older, 1 neutral) –24	0 Vac 250 Vdc									
30	VH321BGL	VH321BRBGL	GTK03	VH321BAWKG- L	VH321BDSGL	RFK03L	Factory Included	1-1/2	3	3	7-1/2	5
60	VH322BGL	VH322BRBGL	GTK03	VH322BAWKG- L	VH322BDSGL	RFK03H	Factory Included	3	7-1/2	10	15	10
100	VH323BGL	VH323BRBGL	GTK0610	VH323BAWKG- L	VH323BDSGL	RFK10	Factory Included	7-1/2	15	15	30	20
200	VH324BGL	VH324BRGL	PKOGTA2	VH324BAWKG- L	VH324BDSGL	HRK1020	Factory Included	15	25	_	60	40
400	CH325N	CH325NR	PKOGTA2	CH325NAWK	CH325NDS	HRK4060	LSBG203	_	50	_	125	50
600	CH326N	CH326NR	PKOGTA2	CH326NAWK	CH326NDS	HRK4060	LSBG203	_	75	_	200	50
800	CH327N	CH327NR	PKOGTA7	CH327NAWK		_	LSBF203	50	-	_	_	50
1200	CH328N	CH328NR	PKOGTA8	CH328NAWK	I	_	LSBF203	50		_	_	50

600 Volt Single-Throw Fusible Switches

				•		,									
										Horsepow	er Ratings				
Ampere	Type 1	Type 3R	Equipment Ground Kit	Type 12	Type 4X 304 SS	Class R Fuse Kits	Line Side Barriers	Std (Fast acting one-time fuses)		Max (Dual element time-delay fuses)		Max (Dual element time-delay fuses)			250 Vdc
								1 PH	3 PH	1 PH	3 PH				
4 Wire (3 E	Blade and Fuse	holder, 1 neutral) -	-600 Vac 600V	dc											
30	VH361BGL	VH361BRBGL	GTK03	VH361BAWKGL	VH361BDSGL	RFK03L	Factory Included	5	15	7-1/2	20	5	15		
60	VH362BGL	VH362BRBGL	GTK03	VH362BAWKGL	VH362BDSGL	RFK03H	Factory Included	15	30	15	50	_	30		
100	VH363BGL	VH363BRBGL	GTK0610	VH363BAWKGL	VH363BDSGL	RFK10	Factory Included	25	60	30	100	_	50		
200	VH364BGL	VH364BRGL	PKOGTA2	VH364BAWKGL	VH364BDSGL	HRK1020	Factory Included	50	125	60	150	40	50		
400	CH365N	CH365NR	PKOGTA2	CH365NAWK	CH365NDS	HRK4060	LSBG203	100	250	125	350	50	50		
600	CH366N	CH366NR	PKOGTA2	CH366NAWK	CH366NDS	HRK4060	LSBG203	150	400	200	500	50	50		
800	CH367N	CH367NR	PKOGTA7	CH367NAWK	ı	_	LSBF203	200	500	250	500	_	50		
1200	CH368N	CH368NR	PKOGTA8	CH368NAWK	-	_	LSBF203	200	500	250	500	_	50		

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NEMA 7 and 9

An enclosed automatic molded case switch for use in Divisions 1 and 2 of the following: Class I, Groups C and D; Class II, Groups E, F and G; or Class III, Hazardous Locations as defined in NEC Article 500. Furnished with threaded conduit openings in both top and bottom endwall. Suitable for use as service equipment and listed as "Raintight" for outdoor applications. cULus Listed. Equipment grounding lugs supplied as standard. See CAD drawing of the switch to verify the UL listed short circuit current rating or the enclosed safety switch catalog.

Amperes	Enclosed Molded Case Switch	d Case Solid Neutral Assembly		Horsepower Ratings 3Ø				
7 po. 00	Cat. No.	Cat. No.	240 V	480 V	600 V	Conduit Openings		
60	H60XBD		15	4.5	50	2/4 im		
60	H60XBDAA	4000014	15	15	50	3/4 in.		
100	H100XBD	100SNA	20	00	75	4.4/4.5		
100	H100XBDAA		30	60	75	1-1/4 in.		
225	H225XJG		00	405	450	0.4/0:		
225	H225XJGAA	225SNA	60	125	150	2-1/2 in.		

Table 2.1: Conduit Provisions

Amperes Top and Bottom Endwall NEMA Type 7 and 9 [1]						
Amperes						
	NEMA Type 7 and 9 [1]					
30	_					
60	3/4 in.					
100	1-1/4 in.					
200	2-1/2 in.					

SQUARE D www.se.com/us

Interlocked Receptacle Switches

Interlocked Receptacle Switches are furnished with a factory-installed three-phase four-wire Appleton Powertite™, Crouse-Hinds Style 2 Arktite™, or Hubbellock™ receptacle. The fourth wire is connected to the switch equipment grounding terminal and is not a solid neutral termination. Interlocking linkage between the receptacle and switch mechanism protects against insertion or removal of the plug while the switch is in the "ON" position or insertion of any plug other than specified. Grounding lugs are included. See wiring diagram of the switch to verify the UL listed short circuit current rating or the Square D Enclosed Safety Switches catalog.



Interlocked Receptacle Switch with Crouse-Hinds Arktite Receptacle



H362AWH Interlocked Receptacle Switch with Hubbell Hubbellock Receptacle

Appleton Powertite Receptacle

- UL Listed and CSA Certified
- Available in 30-100 A, 600 Vac / 250 Vdc, fused or non-fused, NEMA Type 1, NEMA Type 4 / 4X / 5 stainless steel and NEMA Type 12 / 3R
- Suitable for use as service equipment (USA only)
- Receptacles are epoxy powder coated over copper-free cast aluminum

Table 2.2: Appleton Powertite Recentacle Switches

H362AWA Interlocked Receptacle Switch with Appleton Powertite Receptacle

		NEMA Types 3, 3R, 4, pe 1 4X, 5, 12 304 Stainless Steel Enclosure	NEMA Types 12, 3R	Use with Plug [2]	Horsepower Ratings–3Ø						
Amperes	NEMA Type 1				480 Vac [3]		600 Vac [3]		250 Vdc[4]		
Fusible=3P 600 Vac					Std.	Max.	Std.	Max.	Std.	Max.	
Fusible-3P, 600 Va	ac, 250 Vdc										
30	H361WA	H361DSWA	H361AWA	ACP3034BC	5	15	7-1/2	20	5	_	
60	H362WA	H362DSWA	H362AWA	ACP6034BC	15	30	15	50	10	_	
100	H363WA	H363DSWA	H363AWA	ACP1034CD	25	60	30	75	20	-	
Non-Fusible-3P, 6	00 Vac, 250 Vdc										
30	HU361WA	HU361DSWA	HU361AWA	ACP3034BC	-	20	-	30	-	5	
60	HU362WA	HU362DSWA	HU362AWA	ACP6034BC	-	50	_	60	_	10	
100	HU363WA	HU363DSWA	HU363AWA	ACP1034CD	_	75	_	100	_	20	

Ampere	10 kAIR Fuse	100 kAIR Fuses	200 kAIR Fuses	14 kAIR Circuit Breaker	18kAIR Circuit Breaker
Fusible—3P, 600 Vac, 25	50 Vdc				
30	H, K	-	J, R	_	_
60	H, K	_	J, R	_	_
100	H, K	-	J, R	_	_
Non-Fusible—3P, 600 Va	ac, 250 Vdc				
30	H, K	J, R, T [5]	J, R, T	FA	FH
60	H, K	_	J, R, T	FA	FH
100	H. K	_	J. R. T	FA	FH

^[2] [3] [4] Std.—Using fast acting one time fuses. Max.—Using dual element time delay fuses. For switching dc, use two outside switching poles.

^[5] SCCR when using 60 A Max fuse



Receptacle Switches Class 3110

Crouse-Hinds Arktite Receptacle

- UL Listed
- Available in 30–100 A, 600 Vac / 250 Vdc, fused or non-fused, NEMA Type 1, NEMA Types 4/4X/5 stainless steel and NEMA Types 12/3R
- Suitable for use as service equipment
- Receptacles are cast aluminum, copper free for NEMA Type 1 and NEMA Types 12/3R safety switches
- Receptacles are epoxy powder coated, copper free cast aluminum for NEMA Types 4/ 4X/5 stainless steel safety switches

Table 2.3: Crouse-Hinds Arktite Safety Switch

	NEMA Type 1	NEMA Types 4, 4X, 5 304 Stainless Steel Enclosure	NEMA Types 12, 3R	Use with Plug	Horsepower Ratings–3Ø							
Fusible—3P, 600 Vac, 30 H 60 H 100 H Non-Fusible—3P, 600 30 H 60 H					480 V	/ac [6]	600 V	ac [6]	250 V	/dc [7]		
	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Std.	Max.	Std.	Max.	Std.	Max.		
Fusible-3P, 600 V	/ac, 250 Vd											
30	H361WC	H361DSWC	H361AWC	APJ3485	5	15	7-1/2	20	5	_		
60	H362WC	H361DSWC	H361AWC	APJ6485	15	30	15	50	10	_		
100	H363WC	H363DSWC	H362AWC	APJ10487	25	60	30	75	20	_		
Non-Fusible—3P,	600 Vac, 250 Vdc											
30	HU361WC	HU361DSWC	HU361AWC	APJ3485	-	20	_	30	_	5		
60	HU362WC	HU362DSWC	HU362AWC	APJ6485	-	50	_	60	_	10		
100	HU363WC	HU363DSWC	HU363AWC	APJ10487	1	60	_	100	_	20		

Table 2.4: Crouse-Hinds Arktite Safety Switch

Amperes	10 kAIR Fuses	100 kAIR Fuses	200 kAIR Fuses	14 kAIR Circuit Breaker	18 kAIR Circuit Breaker					
Fusible-3P, 600 Vac, 25	50 Vd									
30 H, K - J, R										
60	H, K	_	J, R	_	_					
100	H, K	_	J, R	_	_					
Non-Fusible-3P, 600 Va	c, 250 Vdc									
30	H, K	J, R, T [8]	J, R, T	FA	FH					
60	H, K	_	J, R, T	FA	FH					
100	H, K	-	J, R, T	FA	FH					

Hubbellock Receptacle

- UL Listed
- Available in 30–100 A, 600 Vac / 250 Vdc, fused or non-fused, NEMA Type 1, and NEMA Type 12
- Suitable for use as service equipment [9]
- Receptacles are zinc plated steel for NEMA Types 1 and 12 safety switches
- Short Circuit Current Rating for fusible switches is 10 kAIR maximum when used with Class H, K, J or R fuses
- Short Circuit Current Rating for non-fusible switches is 10 kAIR maximum when using Class H, K, J, R or T fuses

Table 2.5: Hubbellock Receptacle Safety Switch

	NEMA	NEMA	Use with Plug [10]	Horsepower Ratings—3Ø						
Amperes	Type 1	Type 12	Ose with Flug [10]	480 Vac [11]		600 Vac [11]				
	Cat. No.	Cat. No.	Cat. No.	Std.	Max.	Std.	Max.			
Fusible—3P, 600 Vac										
60	H362WH	H362AWH	SD12781	15	30	15	50			
Non-Fusible—3P, 600	Vac									
60	HU362WH	HU362AWH	SD12781	_	50	_	60			

Std.—Using fast acting one time fuses. Max.—Using dual element time delay fuses.

^[7] For switching dc, use two outside switching poles.

^[8] SCCR when using 60 A Max fuse.

^[9] Receptacle only rated for NEMA Type 1 and 12 applications.

^[10] Hubbell plug is furnished with a Kellems grip for 1-1/2 in. to 1-21/64 in. cable diameter.

^[11] Std.—Using fast acting one time fuses. Max.—Using dual element time delay fuses.





Key Interlock Systems and Sample Applications

Factory-installed only on heavy duty and double throw safety switches.

Interlocks help protect against unauthorized operation. Not available on hazardous location devices (NEMA 7/9) or fiberglass reinforced polyester (NEMA 4X).

The key interlock system is a simple and easy method of applying individual key interlock units and assemblies to the above equipment so as to require operation in a predetermined sequence. UL Listed.

Quoting: Contact Schneider Electric for catalog number, availability and pricing prior to quoting a job.

Ordering: Order cannot be released for production until the following information has been provided:

- End User—Company name, address.
- Function of each lock (e.g., switch to be locked open with key removed, key held when switch is closed).
- Existing Equipment—if switch is to be interlocked with equipment already on site, provide brand of existing lock and key number.
- Other New Equipment—if switch is to be interlocked with new equipment not yet installed at the site, then provide contact person and phone number so that locks may be coordinated.
- Additional information may be required upon order entry.

Use these suffixes on switch catalog numbers:

- KI = 1 lock per switch
- KI2 = 1 lock with 2 cylinders per switch
- KIKI = 2 separate locks per switch

Key Interlock Sample Applications

Sample Application—1 (see Figure 1)

To protect against two devices from being closed simultaneously.

Two devices are shown in Figure 1. In operation they are not closed at the same time. With the interlocks arranged as shown only one key is required in the interlocking system. Both devices are shown open, therefore, the key is free. To close any one device the key is inserted and turned in that particular lock, the key is held in this lock until the device is again locked open. This simple interlocking sequence lends itself to a multitude of applications. The procedure is the same for two devices, neither of which is to be opened at the same time.

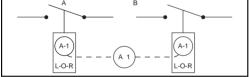


Figure 1

Sample Application—2 (see Figure 2)

To protect against opening of switch A when circuit breaker B is closed.

Switch A and circuit breaker B are in closed position. Key A-1 is held in circuit breaker B interlock.

- Open circuit breaker.
- Turn key A-1 in L-O-R interlock on circuit breaker B to lock open. Key A-1 is now free.
- Insert key A-1 in L-C-R interlock on switch A and turn to unlock.
- Open switch A. Key A-1 is now held. Reverse sequence to restore service.

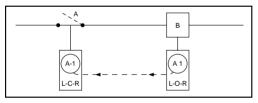


Figure 2



Key Interlock Systems

Α В A 1 A-1 L-O-C-F L-O-R

Figure 3

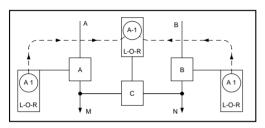


Figure 4

Sample Application—3 (see Figure 3)

To protect against operation of switch A when circuit breaker B is closed. Permits reclosing of circuit breaker for servicing when switch is locked open.

Switch A and circuit breaker B are in closed position. Key A-1 is held in circuit breaker

- · Open circuit breaker.
- Turn key A-1 in L-O-R interlock on circuit breaker B to lock open. Key A-1 is now free.
- Insert key A-1 in L-O-C-R interlock on switch A and turn to unlock.
- Open switch A.
- Turn key A-1 in L-O-C-R interlock on switch A to lock open. Key A-1 is now free.
- Return key A-1 to circuit breaker interlock and unlock for operation during servicing period.

Reverse sequence to restore service.

Sample Application—4 (Main-Tie-Main) (See Figure 4)

To protect against paralleling of lines A and B; two loads, fed from either source.

Circuit breaker A is closed to supply load M. Circuit breaker B is closed to supply load N. Tie-circuit breaker C is open. Keys A-1 are held in interlocks on both circuit breakers A and B. Tie-circuit breaker C cannot be closed unless either A or B is locked open.

To transfer load N to circuit breaker A, proceed as follows:

- · Open circuit breaker B.
- Turn key A-1 in L-O-R interlock on circuit breaker B to lock open. Key A-1 is now free.
- Insert Key A-1 in L-O-R interlock on tie-circuit breaker C and turn to unlock. Key A-1 is now held
- Close tie-circuit breaker C.
- Reverse sequence to restore service.
- Load M can be supplied through circuit breaker B in a similar manner.

Locking Position—Designations

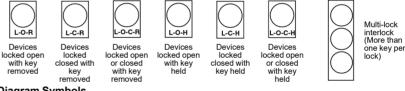


Diagram Symbols

NOTE:

Device locked open = switch in OFF (O) position Device locked closed = switch in ON (I) position













Table 2.6: 240 V Single-Throw Fusible Switches

240 Volt Single-Throw Fusible Switches Obsolete - April 28, 2023

			[13] 304 Stainless	NEMA Type 12K With	NEMA Type 3R, 5			240			
Am- peres	NEMA Type 1 Indoor	NEMA Type 3R Rainproof (Bolt-on Hubs [12])	Steel [14]) Dust Resistant, Water Resistant, Corrosion Resistant (Water Resistant Hubs [12])	Knockouts (Water Resistant Hubs [12])	or 12 [15] Without Knockouts (Water Resistant Hubs [12])	Line Side Barriers Factory Included [16]	Acting	Jsing Fast , One Time uses)	Max. Ele	(Using Dual ment, Time lay Fuses)	250 Vdc [17]
	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.		1Ø	3Ø	1Ø	3Ø	
2-Wire (2 Blades an	d Fuseholders)—240 Va	ac, 250 Vdc								
30			H221DS	H221A	H221AWK	Factory Included	1-1/2	3 [18]	3	7-1/2 [18]	5
30			_	_	H2212AWK[19]	Factory Included	1-1/2	_	3	_	5
60		-wire devices for two- re applications	H222DS	_	H222AWK	Factory Included	3	7-1/2 [18]	10	15 <i>[18]</i>	10
100	1	Сирриосионо	H223DS	H223A	H223AWK	Factory Included	7-1/2	15 <i>[18]</i>	15	30 [20]	20
200			H224DS	H224A	H224AWK	Factory Included	15	25 [18]	_	60 <i>[18]</i>	40
3-Wire (2 Blades an	d Fuseholders, 1 Neutra	al)—240 Vac, 250 Vdc								
30	H221N	H221NRB				Factory Included	1-1/2	3 [18]	3	7-1/2 [20]	5
60	H222N	H222NRB	Use two-wire devices,	See 240 Volt Sir	gle-Throw Fusible	Factory Included	3	7-1/2 [18]	10	15 <i>[18]</i>	10
100	H223N	H223NRB		bsolete – April 28		Factory Included	7-1/2	15 <i>[18]</i>	15	30 [18]	20
200	H224N	H224NRB				Factory Included	15	25 [18]	_	60 [18]	40
3-Wire (3 Blades an	d Fuseholders)—240 Va	ac, 250 Vdc								
30			H321DS	H321A	H321AWK	Factory Included	1-1/2	3	3	7-1/2	5
60	Use four-v	vire devices For three-	H322DS	H322A	H322AWK	Factory Included	3	7-1/2	10	15	10
100	wii	re applications	H323DS	H323A	H323AWK	Factory Included	7-1/2	15	15	30	20
200			H324DS	H324A	H324AWK	Factory Included	15	25	_	60	40
4-Wire (3 Blades an	d Fuseholders, 1 Neutra	al)—240 Vac, 250 Vdc								
30	H321N	H321NRB				Factory Included	1-1/2	3	3	7-1/2	5
60	H322N	H322NRB	Use three-wire dev	ices, See Field-Ir	nstalled Neutral	Factory Included	3	7-1/2	10	15	10
100	H323N	H323NRB	Asse	mblies, page 3-1	9	Factory Included	7-1/2	15	15	30	20
200	H324N	H324NRB	1			Factory Included	15	25		60	40

^[12] For Rainproof Bolt-On Hubs and Water Resistant Hubs see Hubs, page 3-16.

^[13] Complete rating is NEMA Type 3, 3R, 4, 4X, 5 and 12. For NEMA Type 3R applications, remove drain screw from bottom endwall.

See 316 Grade Stainless Steel-NEMA Type 3, 3R, 4, 4X, 5, 12, page 3-13.

^[15] Also suitable for NEMA Type 3R application by removing drain screw from bottom endwall.

^[16] Factory included to prevent inadvertent contact with live parts per UL 869A and NEC Service entrance barrier requirements.

^[17] For switching de, use two outside switching poles.
[18] For corner grounded delta systems, use switching poles for ungrounded conductors. See data bulletin 2700D60202 for additional information.

For corner grounded delta systems, use switching poles for ungrounded conductors. See data bulletin 27000002. 60 A switch with 30 A fuse spacing and clips. Must use 60 A enclosure accessories including electrical interlocks. For corner grounded delta systems, use switching poles for ungrounded conductors. [19]

^[20]



600 Volt Single-Throw Fusible Switches

600 Volt Single-Throw Fusible Switches

Table 2.7: 600 Volt Single-Throw Fusible

			NEMA Type 4,					Horsep	ower Ratings			
			4X, 5 [12] 304 Stainless Steel		NEMA Type		480	Vac	600 \	/ac		
Am- peres	NEMA Type 1 Indoor	NEMA Type 3R Rainproof (Bolt-on Hubs [11])	(316 stainless [13]) Dust Resistant, Water Resistant, Corrosion Resistant (Water Resistant Hubs	NEMA Type 12K With Knockouts (Water Resistant Hubs [11])	3R, 5 or 12 [14] Without Knockouts (Water Resistant Hubs [11])	Line Side Barriers Factory Included [15]	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)	dc	[16]
	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.		3Ø	3Ø	3Ø	3Ø	250	600
3-Wire (3 Blades and F	useholders)—600	Vac, 600 Vdc									
30	H361	H361RB	H361DS	H361A	H361AWK	Factory included	5	15	7-1/2	20	5	15
30	H3612 [19]	H3612RB [19]	_	H3612A [19]	H3612AWK [19]	Factory included	5	15	7-1/2	20	_	15
60	H362	H362RB	H362DS	H362A	H362AWK	Factory included	15	30	15	50	_	30
100	H363	H363RB	H363DS	H363A	H363AWK	Factory included	25	60	30	100	_	50
200	H364	H364RB	H364DS	H364A	H364AWK	Factory included	50	125	60	150	40	50
4-Wire (3 Blades and F	useholders, 1 Neu	ıtral)—600 Vac, 600 '	/dc								
30	H361N	H361NRB				Factory included	5	15	7-1/2	20	_	15
60	H362N	H362NRB		_		Factory included	15	30	15	50	_	30
100	H363N	H363NRB				Factory included	25	60	30	75	_	50
200	H364N	H364NRB	H364NDS	H364NA	H364NAWK	Factory included	50	125	60	150	40	50
4-Wire (4 Blades and F	useholders)—600	Vac, 600 Vdc [20]				2Ø	2Ø	2Ø	2Ø		
30	H461	-		_	1	Factory included	7-1/2	20	10	25	5	15
60	H462	-	_	_		Factory included	15	40	20	50	10	30
100	H463				ı	Factory included	25	60	30	75	20	30
200	H464	-	_	_		Factory included	50	125	60	150	40	50
400	H465	_	_	_	-	QTY (2): LSBG602	100	250	125	350	50	50
600	H466	_	_	_	_	QTY (2): LSBG602	150	400	200	500	50	50

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Class 3130

600 Volt Single-Throw Non-Fusible Obsolete - April 28, 2023

Table 2.8: 600 Volt Single-Throw Non-Fusible Switches

				NEMA Type 4, 4X, 5		NEMA Type		Horsepower Ratings (Max.)								
		NEMA Type 1	NEMA Type 3R	[22] 304 Stainless Steel [23] Dust	NEMA Type 12K	3R, 5 or 12	Line Side	Volts a								
Sys- tem	Am- peres	Indoor	Rainproof [21]	Resistant, Water Resistant, Corrosion Resistant [21]	With Knockouts [21]	[24] Without Knockouts [21]	Barriers[25]	24	40	Line 4	B O	60	00	dc	[26]	
		Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.		1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	250	600	
3-Wire	e (3 Blades	s)—600 Vac, 600	Vdc													
	30	HU361	HU361RB	HU361DS	HU361A	HU361AWK	[21]	5	10	7-1/2	20	10	30	5	15	
	30	HU361EI [22]	HU361RBEI [22]	HU361DSEI [22]	HU361AEI [22]	HU361AWKEI [22]	[21]	5	10	7-1/2	20	10	30	5	15	
	30	_	HU3612RB [23]	_	HU3612A[23]	HU3612AWK [23]	[21]	5	10	7-1/2	20	10	30	5	15	
	60	HU362	HU362RB	HU362DS	HU362A	HU362AWK	[21]	10	20	25	50	30	60	10	30	
	60		1	HU362DSEI[22]	_		[21]	10	20	25	50	30	60	10	30	
	100	HU363	HU363RB	HU363DS	HU363A	HU363AWK	[21]	20	40	40	75	40	100	20	50	
:	200	HU364	HU364RB	HU364DS	HU364A	HU364AWK	[21]	15	60	50	12- 5	50	150	40	50	

Factory Included to help avoid inadvertent contact with live parts per UL 869A and NEC service entrance barrier requirements. Switches with El suffix are stocked with factory-installed electrical interlocks with one normally-open and one normally-closed contact. Use 60 A enclosure accessories, including electrical interlocks.

316 Grade Stainless Steel-NEMA Type 3, 3R, 4, 4X, 5, 12 Obsolete – April 28, 2023

316 stainless steel enclosure safety switches offer superior corrosion resistance to a wider range of chemicals than 304 stainless switches. 316 better resists chloride and is often used in marine, waste treatment and transportation applications. Use water resistant hubs, see Hubs. Equipment grounding lugs are supplied as standard through 200 A. See Terminal Lug Data for wire Termination data for grounding lugs.

Table 2.9: 316 Grade Stainless Steel Three-pole 600 Vac, 600 Vdc

			Horsepower Ratings- 3Ø								
Amperes	Cat. No	Line Side Barriers	480 \	/ac [25]	600 \	/ ac [25]	600 Vdc [26]				
		L= ·J	Std.	Max.	Std.	Max.	Max.				
Fusible—3P, 600 Vac, 600 Vdc											
30	H361SS	Factory Included	5	15	7-1/2	20	15				
60	H362SS	Factory Included	15	30	15	50	30				
100	H363SS	Factory Included	25	60	30	75	50				
200	H364SS	Factory Included	50	125	60	150	50				
Non-Fusible—3P, 600 Vac, 600 Vdc											
30	HU361SS	Factory Included		20	-	30	15				
60	HU362SS	Factory Included	-	50	_	60	30				
100	HU363SS	Factory Included		75	-	100	50				
200	HU364SS	Factory Included	_	125	_	150	50				

^[25] Std.—Using fast acting, one time fuses. Max.—Using dual element time delay fuses.

^[26] For switching dc use two switching poles.



NEMA Type 4, 4X, 5, 7, 9, and 12 Obsolete – April 28, 2023 See Terminal Lug Data for terminal lug data for the series switches listed in the dimension table below.

Table 2.10: Approximate Dimensions

	Ser-		1	W	/	D)	W	/H			Н		V	1	D		W	/Η
Cat. No.	ies	in.	mm	in.	mm	in.	mm	in.	mm	Cat. No.	Series	in.	mm	in.	mm	in.	mm	in.	mm
H221A	F6	14.60	371	6.63	168	4.96	125	7.55	192	H362SS	F6	16.87	428	8.92	227	6.97	177	10.81	275
H221AWK	F6	14.60	371	6.63	168	4.96	125	7.55	192	H363AWA	F7	20.50	521	9.00	229	7.00	178	10.50	267
H221DS	F6	14.93	379	7.22	183	5.11	130	8.67	220	H363AWC	F7	20.50	521	9.00	229	7.00	178	10.50	267
H221-2AWK	F6	16.50	419	9.00	229	7.00	178	10.50	267	H363A	F6	20.50	521	9.00	229	7.00	178	10.50	267
H222A	F6	14.60	371	6.63	168	4.96	125	7.55	192	H363AWK	F6	20.50	521	9.00	229	7.00	178	10.50	267
H222AWK	F6	14.60	371	6.63	168	4.96	125	7.55	192	H363DS	F6	20.82	529	9.36	238	6.97	177	11.25	286
H222DS	F6	14.93	379	7.22	183	5.11	130	8.67	220	H363DSWA	F7	20.82	529	9.36	238	6.97	177	11.25	286
H223A	F6	20.50	521	9.00	229	7.00	178	10.50	267	H363DSWC	F7	20.82	529	9.36	238	6.97	177	11.25	286
H223AWK	F6	20.50	521	9.00	229	7.00	178	10.50	267	H363SS	F6	20.82	529	9.36	238	6.97	177	11.25	286
H223DS	F6	20.82	529	9.36	238	6.97	177	11.25	286	H364A	F6	29.00	737	17.25	438	8.75	216	18.63	473
H224A	F6	29.00	737	17.25	438	8.75	216	18.63	473	H36AWK	F6	29.00	737	17.25	438	8.75	216	18.63	473
H224AWK	F6	29.00	737	17.25	438	8.75	216	18.63	473	H364DS	F6	29.00	737	17.75	451	8.88	226	19.25	489
H224DS	F6	29.00	737	17.75	451	8.88	226	19.25	489	H364NDS	F6	29.00	737	17.75	451	8.88	226	19.25	489
H321AWK	F6	14.60	371	6.63	168	4.96	125	7.55	192	H364NA	F6	29.00	737	17.25	438	8.75	216	18.63	473
H321A	F6	14.60	371	6.63	168	4.96	125	7.55	192	H364NAWK	F6	29.00	737	17.25	438	8.75	216	18.63	473
H321DS	F6	14.93	379	7.22	183	5.11	130	8.67	220	H364SS	F6	29.00	737	17.75	451	8.88	226	19.25	489
H322AWK	F6	14.60	371	6.63	168	4.96	125	7.55	192	HU361AWA	F7	16.50	419	9.00	229	7.00	178	10.50	267
H322A	F6	14.60	371	6.63	168	4.96	125	7.55	192	HU361AWC	F7	16.50	419	9.00	229	7.00	178	10.50	267
H322DS	F6	14.93	379	7.22	183	5.11	130	8.67	220	HU361A	F6	14.60	371	6.63	168	4.96	125	7.55	192
H323AWK	F6	20.50	521	9.00	229	7.00	178	10.50	267	HU361AWK	F6	14.60	371	6.63	168	4.96	125	7.55	192
H323A	F6	20.50	521	9.00	229	7.00	178	10.50	267	HU361DS	F6	14.93	379	7.22	183	5.11	130	8.67	220
H323DS	F6	20.82	529	9.36	238	6.97	177	11.25	286	HU361DSWA	F7	16.87	428	8.92	227	5.11	130	10.81	275
H324A	F6	29.00	737	17.25	438	8.75	216	18.63	473	HU361DSWC	F7	16.87	428	8.92	227	5.11	130	10.79	274
H324AWK	F6	29.00	737	17.25	438	8.75	216	18.63	473	HU361SS	F6	14.93	379	7.22	183	5.11	130	8.67	220
H324DS	F6	29.00	737	17.75	451	8.88	226	19.25	489	HU362DSWA	F7	16.87	428	8.92	227	5.11	130	10.81	275
H326DS	E5	46.25	1175	26.25	667	10.13	259	26.25	667	HU362DSWC	F7	16.87	428	8.92	227	5.11	130	10.79	274
H326NAWK	E5	46.25	1175	26.25	667	10.13	259	26.25	667	HU362SS	F6	16.87	428	8.92	227	6.97	177	10.81	275
H326DS	E5	46.25	1175	26.25	667	10.13	259	26.25	667	HU363AWA	F7	20.50	521	9.00	229 229	7.00	178	10.50	267
H326NAWK	E5	46.25	1175	26.25	667	10.13	259	26.25	667	HU363AWC	F7	20.50	521	9.00		7.00	178	10.50	267
H326NDS H361AWA	E5 F7	46.25	1175 419	26.25	667	10.13	259	26.25	667	HU363A	F6	20.50	521	9.00	229	7.00	178 178	10.50	267
H361AWC	F7	16.5 16.5	419	10.50 10.50	267 267	7.0 7.0	178 178	10.50 10.50	267 267	HU363AWK HU363DS	F6	20.50	521 529	9.00	229 238	6.97	177	10.50 11.25	267 286
H361AWK	F7	14.60	371	7.55	192	4.96	125	7.55	192	HU363DSWA	F7	20.82	529	9.36	238	6.97	177	11.25	286
H361A	F7	14.60	371	7.55	192	4.96	125	7.55	192	HU363DSWA	F7	20.82	529	9.36	238	6.97	177	11.25	286
H361DS	F6	14.93	379	8.67	220	5.11	130	8.67	220	HU363SS	F6	20.82	529	9.36	238	6.97	177	11.25	286
H361DSWA	F7	16.87	428	8.92	227	5.11	130	10.81	275	HU364A	F6	29.00	737	17.25	438	8.75	216	18.63	473
H361DSWA	F7	16.87	428	8.92	227	5.11	130	10.79	274	HU364AWK	F6	29.00	737	17.25	438	8.75	216	18.63	473
H361SS	F6	14.93	379	7.22	183	5.11	130	8.67	220	HU364DF	E1	31.30	795	26.30	668	11.80	300	26.30	668
H361–2A	F6	16.50	419	9.00	229	7.00	178	10.50	267	HU364DS	F6	29.00	737	17.75	451	8.88	226	19.25	489
H361–2AWK	F6	16.50	419	9.00	229	7.00	178	10.50	267	HU364SS	F6	29.00	737	17.75	451	8.88	226	19.25	489
H362AWA	F7	16.50	419	9.00	229	7.00	178	10.50	267	HU365AWK	E5	46.25	1175	26.25	667	10.13	259	26.25	667
H362AWC	F7	16.50	419	9.00	229	7.00	178	10.50	267	HU365DS	E5	46.25	1175	26.25	667	10.13	259	26.25	667
H362AWH	F6	16.50	419	9.00	229	7.00	178	10.50	267	HU365SS	E5	46.25	1175	26.25	667	10.13	259	26.25	667
H362A	F6	16.50	419	9.00	229	7.00	178	10.50	267	HU366AWK	E5	46.25	1175	26.25	667	10.13	259	26.25	667
H362AWK	F6	16.50	419	9.00	229	7.00	178	10.50	267	HU366DS	E5	46.25	1175	26.25	667	10.13	259	26.25	667
H362DS	F6	16.87	428	8.92	227	6.97	177	10.81	275	HU366SS	E5	46.25	1175	26.25	667	10.13	259	26.25	667
H362DSWA	F7	16.87	428	8.92	227	5.11	130	10.81	275	HU367AWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H362DSWC	F7	16.87	428	8.92	227	5.11	130	10.79	274	HU368AWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
TIOUZDOVVO		10.07	720	0.02	441	9.11	100	10.73	217	TIOOOOAVIN		00.10	1750	30.02	300	17.73	701	00.02	900



Electrical Interlocks

Electrical Interlock Kits

Electrical interlocks for heavy duty 30–1200 A safety switches are available factory-installed or in kit form for field installation. Each kit contains instructions for proper field mounting. A pivot arm operates from switch mechanism, breaking the control circuit before the main switch blades break. Switches with electrical interlocks installed are UL Listed. For factory-installed electrical interlocks add EI (for one contact) or EI2 (for two contacts) suffix to catalog number.

Table 2.11: Electrical Interlock Kit [27] [28]

Switch Amperes Rating	Series Number [29]	Electrical Interlock Kit Cat. No. [30]			
30	F5–F6	EIK031			
30	F3=F0	Cat. No. [30] EIK031 EIK032 EIK1 EIK2 EIK031 EIK032 EIK1 EIK2 EIK1 EIK2 EIK1 EIK2 EIK1 EIK2 EIK1 EIK2 EIK1 EIK2			
60 (600 V)	F5–F6	EIK1			
60 (600 V)	F5-F6	EIK2			
60 (240 V)	F5 F0	EIK031			
60 (240 V)	F5–F6	EIK032			
100–200	F5–F6	EIK1			
100-200	F5-F6	EIK2			
30-100	F5–F7	EIK1			
Receptable Switches	F5-F7	EIK2			
30–200	F5 F0	EIK1			
4 and 6 Pole Switches	F5–F6	EIK2			
400, 4000	E4 E5	EIK40601			
400–1200	E4-E5	EIK40602			

Table 2.12: Electrical Interlock Contact Ratings [31]

Interlock Type		AC - 50	or 60 Hz	DC					
interiock Type	Volts	Make	Break	Cont.	Volts	Make & Break	Cont.		
Cat. no. ending	with a 1 utilize	e a 9007A01 li	mit switch.						
	120	40 A	15 A	15 A	115	0.50 A	15 A		
1 NO/1 NC	240	20 A	10 A	15 A	230	0.25 A	15 A		
Contact	480	10 A	6 A	15 A	_	-	ı		
	600	8 A	5 A	15 A	600	0.05 A	15 A		
Cat. no. ending	with a 2 utilize	e a 9007C03 li	mit switch.						
	120	30 A	3.0 A	10 A	115	1.0 A	10 A		
2 NO/2 NC	240	15 A	1.5 A	10 A	230	0.30 A	10 A		
Contacts	480	7.5 A	0.75 A	10 A	_				
	600	6.0 A	0.60 A	10 A	600	0.10 A	10 A		

^[27] For series not shown in table refer to the switch wiring diagram.

^[28] Electrical interlocks for Type 4X fiberblass reinforced polyester and KrydonTM see Digest Section 3.

^[29] See Digest Section 3 for safety switch series.

^[30] Electrical interlock kit catalog numbers ending in 1 indicates one normally closed contact. These kits use a 9007A01 industrial snap switch. Electrical interlock kit catalog numbers ending in 2 indicates two normally closed contacts. These kits use a 9007C03 industrial snap switch.