Section 3

Safety Switches

General Duty, p. 3-2

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Merlin Gerin
SQUARE D
Telemecanique

Schneider Electric

General Duty—Up To 100 kA Short Circuit Current Rating With Proper Current Limiting Fusing

General duty safety switches are designed for residential and commercial applications where economy is a prime consideration. Typical loads are lighting, air conditioning, and appliances. They are suitable for use as service equipment when equipped with a factory-installed neutral assembly or a field-installed service grounding kit.

General duty safety switches are UL Listed, File E2875, and meet or exceed the NEMA Standard KS1.

400 and 600 A general duty switches (NEMA 1 only) will accept Class J fuses and are UL Listed for use on systems with up to 100 kA available fault current. 600 A requires Class J fuse kit—GDJK600 (page 3-3). 400 A requires moving load base.

Class T 400–800 A general duty safety switches use 300 Vac Class T fuses and are UL Listed for use on systems with up to 100 kA available fault current.

UL Listed Short Circuit Withstand Rating		
Switch Type	**Fuse Class**	**Short Circuit Rating**
Fusible	Plug	10 kA
	H	10 kA
	K	10 kA
	J	100 kA
	R	100 kA
	T	100 kA
Non-Fusible▲	H	10 kA
	K	10 kA
	J	100 kA
	R	100 kA■
	T	100 kA

▲ The UL Listed short-circuit current rating for Square D general duty, not fusible switches is based on the switch being used in conjunction with fuses. Evaluation of non-fusible switches in conjunction with molded case circuit breakers has not been performed. If a UL Listed short-circuit current rating is required, this non-fusible switch must be replaced with a Square D general duty fusible safety switch equipped with the appropriate class and size fusing. The UL Listed short-circuit current rating of the fusible switch is typically as follows: when used with Class H & K fuses—10,000 A, Class R and J fuses—100,000 A. Consult the wiring diagram of the switch to verify the UL Listed short-circuit current rating.

■ 50 kA for 60 A non-fusible switch.

Table 3.1: Fusible

System	A	Fuse	NEMA 1 Indoor		NEMA 3R▲ Rainproof		Class R Fuse Kits Field-Installable■		Horsepower Ratings			
									Std. (Fast Acting One-Time Fuses)		Max. (Dual Element Time-Delay Fuses)	
			Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	1Ø	3Ø	1Ø	3Ø
2 Wire (1 Blade and Fuseholder, 1 Neutral)—120 Vac												
	30	Plug	Use Light Duty Device for This Application (see below)						—	—	—	—
	30	Cart.	Use 3 Wire Devices for this application.						—	—	—	—
3 Wire (2 Blades and Fuseholders, 1 Neutral)—120/240 Vac (Plug), 240 Vac (Cart.) Maximum												
	30	Plug	D211N	**60.00**	D211NRB	**118.00**	—	—	1-1/2	—	3	—
	30	Cart.	D221N	**81.00**	D221NRB	**125.00**	DRK30	**17.10**	1-1/2	3♦	3	7-1/2♦
	60	Cart.	D222N	**137.00**	D222NRB	**217.00**	RFK03H	**17.00**	3	7-1/2♦	10	15♦
	100	Cart.	D223N	**284.00**	D223NRB	**320.00**	RFK10	**31.80**	7-1/2	15♦	15	30♦
	200	Cart.	D224N▼	**589.00**	D224NRB▼	**800.00**	HRK1020	**31.80**	15	25♦	—	60♦
	400	Cart.	D225N	**1703.00**	D225NR	**2306.00**	DRK40	**74.00**	—	—	—	—
	600	Cart.	D226N	**3406.00**	D226NR	**4379.00**	DRK600	**74.00**	—	—	—	—
4 Wire (3 Blades and Fuseholders, 1 Neutral)—240 Vac Maximum												
	30	Cart.	D321N	**125.00**	D321NRB	**195.00**	DRK30	**17.10**	1-1/2	3	3	7-1/2
	60	Cart.	D322N	**217.00**	D322NRB	**294.00**	RFK03H	**17.00**	3	7-1/2★	10	15★
	100	Cart.	D323N	**376.00**	D323NRB	**544.00**	RFK10	**31.80**	7-1/2	15★	15	30★
	200	Cart.	D324N▼	**801.00**	D324NRB▼	**974.00**	HRK1020	**31.80**	15	25★	—	60★
	400	Cart.	D325N	**2075.00**	D325NR	**2595.00**	DRK40	**74.00**	—	50	—	125
	400	Class T	D325NT	**1996.00**	D325NTR	**2494.00**	—	—	—	50	—	—
	600	Cart.	D326N	**3882.00**	D326NR	**5251.00**	DRK600	**74.00**	—	75	—	150
	600	Class T	D326NT	**3732.00**	D326NTR	**5046.00**	—	—	—	75	—	—
	800	Class T	T327N	**6481.00**	T327NR	**8292.00**	—	—	—	100	—	—

▲ Bolt-on hubs—Refer to page 3-9.
■ When installed, this kit rejects all but Class R fuses. When installed with this kit and Class R fuses, the switch is UL Listed for use on systems with up to 100 kA available fault current.
♦ For corner grounded delta systems only. Use switching poles for ungrounded conductors.
★ If corner grounded delta, use outer switching poles for ungrounded conductors.
▼ For 200% neutral, order (1) additional neutral kit SN20A at **$133.** and (1) neutral jumper kit SN20NI at **$18.40**.

Table 3.2: Non-Fusible

System	A	NEMA 1 Indoor		NEMA 3R Rainproof △		Horsepower Ratings (Max.)	
		Cat. No.	$ Price	Cat. No.	$ Price	1Ø	3Ø
2 Wire (2 Blades)—240 Vac Maximum							
	30	—	—	DU221RB◒	**118.00**	3	—
	60	—	—	DU222RB◒	**235.00**	10	—
	60	QO260NATS□◊	**107.00**	QO200TR□◊☆	**107.00**	10	—
	100	QO2000NS□◊	**184.00**	QO2000NRB□☆	**225.00**	20	—
	200	Use 3P Switch	—	Use 3P Switch	—	—	—
	400	Use 3P Switch	—	Use 3P Switch	—	—	—
	600	Use 3P Switch	—	Use 3P Switch	—	—	—
3 Wire (3 Blades)—240 Vac Maximum							
	30	DU321◒	**103.00**	DU321RB◒	**195.00**	3	7-1/2
	60	DU322◒	**137.00**	DU322RB◒	**295.00**	10	15
	100	DU323▽	**318.00**	DU323RB▽	**544.00**	15	30
	200	DU324◒	**589.00**	DU324RB◒	**974.00**	15	60✱
	400	DU325◒	**1465.00**	—	—	—	125
	600	DU326✱	**2794.00**	—	—	—	150

△ Bolt-on hubs—Refer to page 3-9.
□ Enclosed molded case switch—Refer to 1-22.
◊ Includes factory-installed grounding kit.
☆ Not service entrance rated—Refer to page 1-19 for more information.
▽ Includes factory-installed neutral.For service equipment use or when neutral is required, order part number SN0610 at $**71.00**.
◒ Suitable for use as service equipment, requires field installation of neutral assembly SN20A at $**133.00**.
✱ If corner grounded delta, install neutral and use outer switching poles for ungrounded conductors.

L211N

Light Duty—Visible Blades 10 kA Short Circuit Current Rating

The Square D light duty enclosed switch is ideal for home applications in disconnecting power to workshops, hobby rooms, furnaces and garages.

Table 3.3: Fusible

System	Rating (A)	Fuse	NEMA 1 Indoor		Horsepower Ratings		System	A	Fuse	NEMA 1 Indoor		Horsepower Ratings	
			Cat. No. ◑	$ Price	Std.	Max.				Cat. No. ◑	$ Price	Std.	Max.
2 Wire (1 Blade and Fuseholder, 1 Neutral)—120 Vac							**3 Wire (2 Blades and Fuseholders, 1 Neutral)—120/240 Vac**						
	30	Plug	L111N	**$35.90**	1/2	2		30	Plug	L211N	**47.80**	1-1/2 ♦	3 ♦
								30	Cart.	L221N	**65.00**	1-1/2 ♦	3 ♦

♦ For single phase hp rating, use two switching poles.
◑ DE1A Discount Schedule.

DE1A | DE2A Discount Schedule Modified 4/16/09

Field-Installable Electrical Interlock Kits

Electrical interlocks for Series F 100–200 A general duty safety switches and Series F 60 A fusible general duty safety switches are available 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.

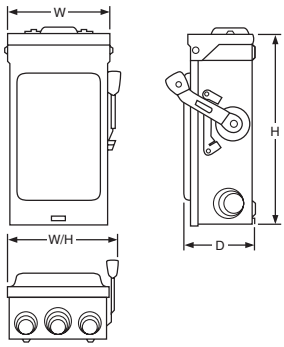
Table 3.4: Electrical Interlock Kit

Switch Rating (A)	Electrical Interlock Kit Cat. No.▲	$ Price
Fusible Series F 60	EIK031 or EIK032	**145.00**
Series F 100–200	EIK1 or EIK2	**207.00**

▲ Electrical interlock kit catalog numbers with -1 suffix indicates one normally open and one normally closed contact; -2 indicates two normally open and two normally closed contacts. Kits are UL Listed.

Table 3.5: Field-Installable Class J Fuse Kit
The kit consists of three Class J fuse adapters as required for a 3P, fusible 600 A general duty switch. Kit can be installed in 600 A series E3 switches only (NEMA 1).

Switch Rating (A)	Class J Kit Cat. No.	$ Price
600 A Series E3	GDJK600	**195.00**



Field-Installable Fuse Puller Kits

Kit consists of three fuse pullers as required for a 3P, fusible, 60 and 100 A general duty switch. Kits can be installed in 60 and 100 A Series F switches.

Description	Cat. No.	$ Price
Series F 60 A Fuse Puller Kit	FPK03	**20.00**
Series F 100 A Fuse Puller Kit	FPK0610	**28.40**

Table 3.6: Field-Installable Service Grounding Kits

Switch Rating (A)	Cat. No.	$ Price	Wire Size (AWG)
30	PK3GTA1	**7.60**	(2) 12 Cu or (2) 10 Al or (1) 4 Al/Cu Max.
Series E 60	PK3GTA1	**7.60**	(2) 12 Cu or (2) 10 Al or (1) 4 Al/Cu Max.
Series F 60	GTK03	**7.60**	(2) 12 Cu or (2) 10 Al or (1) 4 Al/Cu Max.
100	GTK0610	**12.60**	(2) 1/0 Al/Cu Max.
200	PKOGTA2	**36.80**	(2) 2/0 Al/Cu Max.
400 600	PKOGTA2 (Two Required)	**36.80**	(2) 2/0 Al/Cu Max. Per Lug
800	PKOGTA3	**82.00**	(6) 3/0 Al/Cu Max.

Table 3.7: Terminal Lug Data ■

Rating (A)	Conductors Per Phase	Wire Range Wire Bending Space Per NEC Table 312.6 AWG/kcmil	Lug Wire Range AWG/kcmil
30	1	12–6 (Al) or 14–6 (Cu)	12–6 (Al) or 14–6 (Cu)
60	1	10–3 (Al) or 14–3 (Cu)	10–2 (Al) or 14–2 (Cu)
100	1	12–1 (Al) or 14–1 (Cu)	12–1/0 (Al) or 14–1/0 (Cu)
200	1	6 –250 (Al/Cu)	6 –300 (Al/Cu)
400 NEMA 1	1 or 2	1/0 –600 (Al/Cu) or 1/0 –300 (Al/Cu)	(1) 1/0 –750 (Al/Cu) or (2) 1/0 –300 (Al/Cu)
400 NEMA 3R	2	1/0–250 (Al/Cu)	(1) 1 –600 (Al/Cu) or (2) 1/0 –250 (Al/Cu)
600	2	4 –500 (Al/Cu)	4 –600 (Al/Cu)
800	3	3/0 –500 (Al/Cu)	3/0 –500 (Al/Cu)

■ 30–100 A switches suitable for 60°C or 75°C conductors. 200–800 A switches suitable for 75°C conductors.

Table 3.8: Field-Installable Lug Kit

Kit consists of three line, three load, and two neutral lugs as required for a 3P 400 A or 600 A general duty switch. Kit can be installed on 400 or 600 A Series E3 switches. **This kit applicable to NEMA 1 enclosures only.**

Switch Rating (A)	Lug Kit Cat. No.	Wire Range/NEC 312.6 AWG/kcmil	Lug Wire Range per Lug AWG/kcmil	$ Price
400 or 600 A Series E3	GD4060LK	(1) 1/0–600 or (2) 1/0–500 or (4) 1/0–250	(2) 1/0–600 or (4) 1/0–250	**269.00**

Table 3.9: Approximate Dimensions

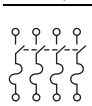
Cat. No.	Series	H		W		W/H		D		Std. Pack
		in.	mm	in.	mm	in.	mm	in.	mm	
L111N	E2	7.63	194	5.00	127	6.13	156	4.00	102	1
L211N	E2	7.63	194	5.00	127	6.13	156	4.00	102	1
L221N	E2	7.63	194	5.00	127	6.13	156	4.00	102	1
D211N♦	E3	9.25	235	6.75	171	7.25	184	3.63	92	5
D211NRB♦	E2	9.63	245	7.25	184	7.75	197	3.75	95	5
D221N♦	E3	9.25	235	6.75	171	7.25	184	3.63	92	5
D221NRB♦	E3	9.63	245	7.25	184	7.75	197	3.75	95	5
D222N	F1	14.63	372	6.50	165	7.45	189	4.88	124	1
D222NRB	F1	14.88	378	6.63	168	7.45	189	4.88	124	1
D223N	F3	17.50	445	8.50	216	10.50	267	6.50	165	1
D223NRB	F3	17.50	445	8.50	216	10.50	267	6.50	165	1
D224N	F1	29.00	737	17.25	438	19.00	483	8.25	210	1
D224NRB	F1	29.25	743	17.25	438	19.00	483	8.25	210	1
D225N	E3	45.12	1146	24.00	610	24.88	632	8.88	226	1
D225NR	E1	30.63	778	21.38	543	22.25	565	10.13	257	1
D226N♦	E3	49.13	1248	24.00	610	24.88	632	8.88	226	1
D226NR♦	E1	49.13	1248	24.75	629	25.13	638	8.88	226	1
D321N♦	E3	9.25	235	6.75	171	7.25	184	3.63	92	5
D321NRB♦	E3	9.63	245	7.25	184	7.75	197	3.75	95	5
D322N	F1	14.63	372	6.50	165	7.45	189	4.88	124	1
D322NRB	F1	14.88	378	6.63	168	7.45	189	4.88	124	1
D323N	F3	17.50	445	8.50	216	10.50	267	6.50	165	1
D323NRB	F3	17.50	445	8.50	216	10.50	267	6.50	165	1
D324N	F1	29.00	737	17.25	438	19.00	483	8.25	210	1
D324NRB	F1	29.25	743	17.25	438	19.00	483	8.25	210	1
D325N♦	E3	45.12	1146	24.00	610	24.88	632	8.88	226	1
D325NT♦	E3	45.12	1146	24.00	610	24.88	632	8.88	226	1
D325NR♦	E1	30.63	778	21.38	543	22.25	565	10.13	257	1
D325NTR♦	E1	30.63	778	21.38	543	22.25	565	10.13	257	1
D326N♦	E3	49.13	1248	24.00	610	24.88	632	8.88	226	1
D326NT♦	E3	49.13	1248	24.00	610	24.88	632	8.88	226	1
D326NR♦	E1	49.13	1248	24.75	629	25.13	638	8.88	226	1
D326NTR♦	E1	49.13	1246	24.75	629	25.13	638	8.88	226	1
DU221RB♦	E2	9.63	245	7.25	184	7.75	197	3.75	95	5
DU222RB♦	E1	9.63	245	7.25	184	7.75	197	3.75	95	5
DU321♦	E2	9.25	235	6.75	171	7.25	184	3.63	92	5
DU321RB♦	E2	9.63	245	7.25	184	7.75	197	3.75	95	5
DU322♦	E1	9.25	235	6.75	171	7.25	184	3.63	92	5
DU322RB♦	E1	9.63	245	7.25	184	7.75	197	3.75	95	5
DU323	F3	17.50	445	8.50	216	10.50	267	6.50	165	1
DU323RB	F3	17.50	445	8.50	216	10.50	267	6.50	165	1
DU324	F1	29.00	737	17.25	438	19.00	483	8.25	210	1
DU324RB	F1	29.25	743	17.25	438	19.00	483	8.25	210	1
DU325♦	E3	45.12	1146	24.00	610	24.88	632	8.88	226	1
DU326♦	E3	49.13	1248	24.00	610	24.88	632	8.88	226	1
QO200TR♦	G3	6.50	165	4.63	118	—	—	3.88	99	5
QO260NATS♦	E2	9.25	235	4.88	124	—	—	3.25	83	1
QO2000NRB♦	E1	14.00	356	7.75	197	—	—	4.50	114	1
QO2000NS♦	E1	13.38	340	6.13	156	—	—	3.50	89	1
T327N♦	E1	49.13	1248	24.00	610	24.88	632	8.88	226	1
T327NR♦	E1	49.13	1248	24.75	629	25.13	638	8.88	226	1
D325NTR♦	E1	30.63	778	21.38	543	22.25	565	10.13	257	1
D326N♦	E3	49.13	1248	24.00	610	24.88	632	8.88	226	1
D326NT♦	E3	49.13	1248	24.00	610	24.88	632	8.88	226	1
D326NR♦	E1	49.13	1248	24.75	629	25.13	638	8.88	226	1

♦ 30–100 A switches suitable for 60°C or 75°C conductors. 200–800 A switches suitable for 75°C conductors.

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

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.

Table 3.10: 240 Volt—Single Throw Fusible

System	Amperes	NEMA 1 Indoor		NEMA 3R Rainproof (Bolt-on Hubs, page 3-9)		NEMA 4, 4X, 5, ▲ 304 Stainless Steel (for 316 stainless, see page 3-7) Dust tight, 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 ♦ 240 Vac Std. (Using Fast Acting, One Time Fuses)		Horsepower Ratings ♦ 240 Vac Max. (Using Dual Element, Time Delay Fuses)		250 Vdc★
		Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	1Ø	3Ø	1Ø	3Ø	
2 Wire (2 Blades and Fuseholders)—240 Vac, 250 Vdc																
	30	Use 3 Wire Devices For 2 Wire Applications				H221DS	1298.00	H221A	336.00	H221AWK	315.00	1-1/2	3 ▼	3	7-1/2▼	5
	30					—	—	—	—	H2212AWK△	392.00	1-1/2	—	3	—	5
	60					H222DS	1558.00	—	—	H222AWK	431.00	3	7-1/2▼	10	15 ▼	10
	100					H223DS	3396.00	H223A	672.00	H223AWK	632.00	7-1/2	15 ▼	15	30 ▼	20
	200					H224DS	4640.00	H224A	1158.00	H224AWK	1095.00	15	25 ▼	—	60 ▼	40
	400	H225	1819.00	H225R	2589.00	H225DS	9654.00	—	—	H225AWK	2775.00	—	—	—	—	50
	600	H226	3616.00	H226R	4854.00	H226DS	13848.00	—	—	H226AWK	4362.00	—	75 ▼	—	200 ▼	50
	800	H227	5639.00	H227R□	7655.00	—	—	—	—	H227AWK	6883.00	50	—	50	—	50
	1200	H228	7788.00	H228R□	10324.00	—	—	—	—	H228AWK	10543.00	50	—	50	—	50
3 Wire (2 Blades and Fuseholders, 1 Neutral)—240 Vac, 250 Vdc																
	30	H221N	157.00	H221NRB	298.00	Use 2 Wire Devices, Field-Installable Solid Neutral Assemblies Order Separately See page 3-10.						1-1/2	3 ▼	3	7-1/2 ▼	5
	60	H222N	314.00	H222NRB	561.00							3	7-1/2▼	10	15 ▼	10
	100	H223N	477.00	H223NRB	724.00							7-1/2	15 ▼	15	30 ▼	20
	200	H224N	859.00	H224NRB	1041.00							15	25 ▼	—	60 ▼	40
	400	H225N	2061.00	H225NR	2830.00	H225NDS	9858.00	—	—	H225NAWK	2869.00	—	50 ▼	—	125 ▼	50
	600	H226N	3879.00	H226NR	5118.00	H226NDS	14054.00	—	—	H226NAWK	4624.00	—	75 ▼	—	200 ▼	50
	800	H227N	6711.00	H227NR□	8144.00	—	—	—	—	H227NAWK	8225.00	50	—	50	—	50
	1200	H228N	8281.00	H228NR□	11110.00	—	—	—	—	H228NAWK	11456.00	50	—	50	—	50
3 Wire (3 Blades and Fuseholders)—240 Vac, 250 Vdc																
	30	Use 4 Wire Devices For 3 Wire Applications				H321DS	1366.00	H321A	426.00	H321AWK	403.00	1-1/2	3	3	7-1/2	5
	60					H322DS	1688.00	H322A	609.00	H322AWK	576.00	3	7-1/2	10	15	10
	100					H323DS	3564.00	H323A	941.00	H323AWK	887.00	7-1/2	15	15	30	20
	200					H324DS	4997.00	H324A	1360.00	H324AWK	1284.00	15	25	—	60	40
	400	H325	2283.00	H325R	2650.00	H325DS	9974.00	—	—	H325AWK	2835.00	—	50	—	125	50
	600	H326	4113.00	H326R	5524.00	H326DS	14266.00	—	—	H326AWK	4910.00	—	75	—	200	50
	800	H327	7637.00	H327R□	9899.00	—	—	—	—	H327AWK	9685.00	50	100	50	250	50
	1200	H328	9678.00	H328R□	12485.00	—	—	—	—	H328AWK	11633.00	50	100	50	250	50
4 Wire (3 Blades and Fuseholders, 1 Neutral)—240 Vac, 250 Vdc																
	30	H321N	209.00	H321NRB	370.00	Use 3 Wire Devices, Field-Installable Solid Neutral Assemblies Order Separately. See page 3-10						1-1/2	3	3	7-1/2	5
	60	H322N	352.00	H322NRB	594.00							3	7-1/2	10	15	10
	100	H323N	561.00	H323NRB	852.00							7-1/2	15	15	30	20
	200	H324N	967.00	H324NRB	1165.00							15	25	—	60	40
	400	H325N	2525.00	H325NR	2881.00	H325NDS	10214.00	—	—	H325NAWK	3090.00	—	50	—	125	50
	600	H326N	4346.00	H326NR	5748.00	H326NDS	14506.00	—	—	H326NAWK	5171.00	—	75	—	200	50
	800	H327N	8126.00	H327NR□	10375.00	—	—	—	—	H327NAWK	10586.00	50	100	50	250	50
	1200	H328N	10209.00	H328NR□	13139.00	—	—	—	—	H328NAWK	13343.00	50	100	50	250	50
4 Wire (4 Blades and Fuseholders)																
	30 60 100 200 400 600	Use 600 Vac Devices. See page 3-5.														

▲ Complete rating is NEMA 3, 3R, 4, 4X, 5 and 12. For NEMA 3R applications, remove drain screw from bottom endwall.
■ Also suitable for NEMA 3R application by removing drain screw from bottom endwall.
♦ Refer to page 7-31 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.
★ For switching dc, use two switching poles.
▼ 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.

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

Table 3.11: 600 Volts—Single Throw Fusible

System	Amperes	NEMA 1 Indoor		NEMA 3R Rainproof (Bolt-on Hubs, page 3-9)		NEMA 4, 4X, 5▲ 304 Stainless Steel (for 316 stainless, see page 3-7) Dust tight, 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♦ 480 Vac Std. (Using Fast Acting, One Time Fuses)	480 Vac Max. (Using Dual Element, Time Delay Fuses)	600 Vac Std. (Using Fast Acting, One Time Fuses)	600 Vac Max. (Using Dual Element, Time Delay Fuses)	dc▼	
		Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	3Ø	3Ø	3Ø	3Ø	250	600
2 Wire (2 Blades and Fuseholders)—600 Vac, 600 Vdc																	
	30	Use 3 Wire Devices For 2 Wire Applications										—	—	—	—	—	—
	60											—	—	—	—	—	—
	100											—	—	—	—	—	—
	200											—	—	—	—	—	—
	400	H265	2804.00	H265R	3616.00	H265DS	9974.00	—	—	H265AWK	3350.00	100★	250★	—	—	50	50
	600	H266	4435.00	H266R	7124.00	H266DS	14266.00	—	—	H266AWK	4894.00	150★	400★	—	—	50	50
	800	H267	6910.00	H267R□	10923.00	—	—	—	—	H267AWK	10184.00	—	—	—	—	50	50
	1200	H268	9713.00	H268R□	11994.00	—	—	—	—	H268AWK	12029.00	—	—	—	—	50	50
3 Wire (3 Blades and Fuseholders)—600 Vac, 600 Vdc▼																	
	30	H361	352.00	H361RB	599.00	H361DS	1680.00	H361A	676.00	H361AWK	637.00	5	15	7-1/2	20	5	15
	30	H3612△	411.00	H3612RB△	699.00	—	—	H3612A△	690.00	H3612AWK△	651.00	5	15	7-1/2	20	—	15
	60	H362	425.00	H362RB	703.00	H362DS	1847.00	H362A	698.00	H362AWK	656.00	15	30	15	50	—	30
	100	H363	792.00	H363RB	1096.00	H363DS	3662.00	H363A	1084.00	H363AWK	1026.00	25	60	30	75	—	50
	200	H364	1138.00	H364RB	1506.00	H364DS	5123.00	H364A	1696.00	H364AWK	1600.00	50	125	60	150	40	50
	400	H365	3034.00	H365R	3688.00	H365DS	10214.00	—	—	H365AWK	3641.00	100	250	125	350	50	50
	600	H366	5099.00	H366R	7266.00	H366DS	14056.00	—	—	H366AWK	6135.00	150	400	200	500	50	50
	800	H367	8879.00	H367R □	11000.00	—	—	—	—	H367AWK	10901.00	200	500	250	500	50	50
	1200	H368	11671.00	H368R□	13339.00	—	—	—	—	H368AWK	13137.00	200	500	250	500	50	50
4 Wire (3 Blades and Fuseholders, 1 Neutral)—600 Vac, 600 Vdc▼																	
	30	H361N	411.00	H361NRB	657.00	Use 3 Wire Devices Field-Installable Solid Neutral Assemblies. Order Separately. See page 3-10						5	15	7-1/2	20	—	15
	60	H362N	473.0	H362NRB	756.00							15	30	15	50	—	30
	100	H363N	852.00	H363NRB	1158.00							25	60	30	75	—	50
	200	H364N	1246.00	H364NRB	1605.00	H364NDS	5247.00	H364NA	1810.00	H364NAWK	1705.00	50	125	60	150	40	50
	400	H365N	3265.00	H365NR	3843.00	H365NDS	10445.00	—	—	H365NAWK	3882.00	100	250	125	350	50	50
	600	H366N	5346.00	H366NR	7369.00	H366NDS	14748.00	—	—	H366NAWK	6400.00	150	400	200	500	50	50
	800	H367N	9362.00	H367NR□	11470.00	—	—	—	—	H367NAWK	11502.00	200	500	250	500	50	50
	1200	H368N	12076.00	H368NR□	13995.00	—	—	—	—	H368NAWK	13880.00	200	500	250	500	50	50
4 Wire (4 Blades and Fuseholders)—600 Vac, 600 Vdc◊												2Ø	2Ø	2Ø	2Ø		
	30	H461	609.00	—	—	H461DS	1958.00	—	—	H461AWK	743.00	7-1/2	20	10	25	5	15
	60	H462	710.00	—	—	H462DS	2046.00	—	—	H462AWK	838.00	15	40	20	50	10	30
	100	H463	1185.00	—	—	H463DS	5563.00	—	—	H463AWK	1288.00	25	50	30	75	20	30
	200	H464	1971.00	—	—	H464DS	8397.00	—	—	H464AWK	2148.00	50	—	50	—	40	50
	400	H465	4140.00	—	—	—	—	—	—	H465AWK	4538.00	100	250	125	350	50	50
	600	H466	6736.00	—	—	—	—	—	—	—	—	150	400	200	500	50	50
6 Wire (6 Blades and Fuseholders)—600 Vac ◊												3Ø	3Ø	3Ø	3Ø		
	100	—	—	—	—	H663DS	17309.00	—	—	H663AWK	3408.00	25	60	30	75	—	—
	200	—	—	—	—	H664DS	23595.00	—	—	H664AWK	8148.00	For applications requiring motor disconnect capability, use electrical interlock. Refer to page 3-9.					

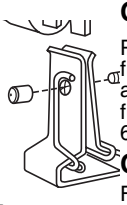
▲ Complete rating is NEMA 3, 3R, 4, 4X, 5 and 12.
■ Also suitable for NEMA 3R application by removing drain screw from bottom endwall.
♦ Refer to page 7-35 for additional motor application data. The starting current of motors of more than standard horsepower may require the use of fuses with appropriate time delay characteristics.
★ For corner grounded delta systems only and with neutral assembly installed. Use switching poles for ungrounded conductors.
▼ On 3P devices, use two outside poles for switching dc.
△ 60 A switch with 30 A 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 Square D 30 through 600 A 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 kA available fault current.

Class R Fuse Provisions:

Fusible Square D 30–600 A 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 kA available fault current. See Class R fuse kits on page 3-9.



Class R Fuse

Class J Fuse Provisions:

Provisions for installing Class J fuses are included in 30 through 400 A 600 Volt, and 100 through 400 A 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 kA available fault current. Switches rated 600 A, 240 or 600 Volt, require the addition of an adapter kit, H600J at **$304.** One kit per 3P 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 kA 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
Dimensions: NEMA 4, 4X and 5 . . . . . page 3-13
Accessories: . . . . . pages 3-9 through 3-11

Table 3.12: 600 Volt—Single Throw Non-Fusible

System	Rating (A)	NEMA 1 Indoor		NEMA 3R Rainproof (Bolt-on Hubs, page 3-9)		NEMA 4, 4X, 5 ▲ 304 Stainless Steel (for 316 stainless, see page 3-7) Dust tight, 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 (Max.) ♦							
												Volts ac						dc★	
												240		480		600			
		Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	250	600
2 Wire (2 Blades)—600 Vac, 600 Vdc																			
	30	Use 3 Wire Devices For 2 Wire Applications										—	—	—	—	—	—	—	—
	60											—	—	—	—	—	—	—	—
	100											—	—	—	—	—	—	—	—
	200											—	—	—	—	—	—	—	—
	400	HU265	**1833.00**	HU265R	**2509.00**	HU265DS	**8541.00**	—	—	HU265AWK	**2141.00**	—	—	—	—	—	—	50	50
	600	HU266	**3264.00**	HU266R	**5022.00**	HU266DS	**12303.00**	—	—	HU266AWK	**3605.00**	—	—	—	—	—	—	50	50
	800	HU267	**4978.00**	HU267R▼	**8589.00**	—	—	—	—	HU267AWK	**8638.00**	50	—	50	—	50	—	—	50
	1200	HU268	**6817.00**	HU268R▼	**11595.00**	—	—	—	—	HU268AWK	**11681.00**	50	—	50	—	—	—	50	50
3 Wire (3 Blades)—600 Vac, 600 Vdc																			
	30	HU361	**186.00**	HU361RB	**325.00**	HU361DS	**1413.00**	HU361A	**459.00**	HU361AWK	**431.00**	5	10	7-1/2	20	10	30	5	15
	30	HU361EI△	**425.00**	HU361RBEI△	**564.00**	HU361DSEI△	**1653.00**	HU361AEI△	**698.00**	HU361AWKEI△	**671.00**	5	10	7-1/2	20	10	30	5	15
	30	HU3612□	**246.00**	HU3612RB□	**425.00**	—	—	HU3612A□	**473.00**	HU3612AWK□	**444.00**	5	10	7-1/2	20	10	30	5	15
	60	HU362	**325.00**	HU362RB	**584.00**	HU362DS	**1680.00**	HU362A	**583.00**	HU362AWK	**555.00**	10	20	25	50	30	60	10	30
	60	—	—	—	—	HU362DSEI△	**1981.00**	—	—	—	—	10	20	25	50	30	60	10	30
	100	HU363	**522.00**	HU363RB	**817.00**	HU363DS	**3401.00**	HU363A	**843.00**	HU363AWK	**796.00**	20	40	40	75	40	100	20	50
	200	HU364	**806.00**	HU364RB	**990.00**	HU364DS	**4640.00**	HU364A	**1131.00**	HU364AWK	**1069.00**	15	60	50	125	50	150	40	50
	400	HU365	**1869.00**	HU365R	**2560.00**	HU365DS	**9529.00**	—	—	HU365AWK	**2682.00**	—	125	—	250	—	350	50	50
	600	HU366	**3328.00**	HU366R	**5122.00**	HU366DS	**12708.00**	—	—	HU366AWK	**4474.00**	—	200	—	400	—	500	50	50
	800	HU367	**6652.00**	HU367R▼	**8700.00**	—	—	—	—	HU367AWK	**8731.00**	50	250	50	500	50	500	50	50
	1200	HU368	**8947.00**	HU368R▼	**11911.00**	—	—	—	—	HU368AWK	**11960.00**	50	250	50	500	50	500	50	50
4 Wire (4 Blades)—600 Vac, 600 Vdc ◒												**2Ø**	**3Ø**	**2Ø**	**3Ø**	**2Ø**	**3Ø**		
	30	HU461◊	**551.00**	—	—	HU461DS	**1724.00**	—	—	HU461AWK☆	**610.00**	10	10	20	20	25	30	10▽	15▽
	60	HU462◊	**609.00**	—	—	HU462DS	**2018.00**	—	—	HU462AWK	**672.00**	20	20	40	50	50	60	10	30
	100	HU463◊	**1098.00**	—	—	HU463DS	**4934.00**	—	—	HU463AWK	**1194.00**	30	40	50	75	50	75	20	30
	200	HU464◊	**1599.00**	—	—	HU464DS	**7496.00**	—	—	HU464AWK	**1888.00**	50	60	50	125	50	150	40	50
	400	HU465	**3467.00**	—	—	—	—	—	—	HU465AWK	**3781.00**	—	**125**	—	**250**	—	350	50	50
	600	HU466	**6048.00**	—	—	—	—	—	—	—	—	—	**200**	—	**400**	—	**500**	50	50
6 Wire (6 Blades)—600 Vac ◒													**3Ø**		**3Ø**		**3Ø**		
	30	—	—	—	—	HU661DS	**7935.00**	—	—	HU661AWK✱	**2238.00**	—	10	—	20	—	30	—	—
	60	—	—	—	—	HU662DS	**8836.00**	—	—	HU662AWK✱	**2589.00**	—	20	—	50	—	60	—	—
	100	—	—	—	—	HU663DS	**13762.00**	—	—	HU663AWK✱	**3195.00**	—	40	—	75	—	75	—	—
	200	—	—	—	—	HU664DS	**18877.00**	—	—	HU664AWK✱	**7025.00**	—	60	—	125	—	150	—	—

▲ Complete rating is NEMA 3, 3R, 4, 4X, 5 and 12.
■ Also suitable for NEMA 3R application by removing drain screw from bottom endwall.
♦ Refer to page 7-32 for additional motor application data.
★ For switching dc, use two switching poles.
▼ Suitable for NEMA 5 applications with drain screw installed.
△ Switches with EI 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.
◊ No knockouts are provided.
☆ Check series number on switch for correct accessory. See page 3-13.
▽ HU461AWK (Series E1) is rated 5 hp@250 Vdc, 10 hp@600 Vdc.
◒ Not suitable for use as service equipment.
✱ One enclosure for NEMA 1, 3, 3R or 12 applications. UL Listed.

UL Listed Maximum Short Circuit Current Ratings—AC only

NOTE: *Consult the wiring diagram of the switch to verify the UL Listed short circuit current rating.*

Table 3.13: Fusible Safety Switches

For the short circuit current rating, refer to the table below.

Heavy Duty Safety Switch Type	UL Listed Fuse Class	UL Listed Short Circuit Current Ratings
Fusible	H, K	10 kA
	R, J, L	200 kA♦

♦ On 600 V, 200 A switches, 100,000 A max. on corner grounded delta when protected by Class J or R fuses.

Table 3.14: Maximum I^2t and I_p Ratings of Heavy Duty Switches◑

Switch Rating (A)	Max. I^2t Rating (Amp^2 sec.)	Max Ip Rating (A)
30	50,000	14,000
60	200,000	26,000
100	500,000	32,000
200	2,000,000	50,000
400	6,000,000	75,000
600	12,000,000	100,000
800	10,000,000	80,000
1200	15,000,000	120,000

◑ Per UL 489, Table 7.12, page 7-11.

Any brand of circuit breaker or fuse not exceeding the ampere rating of the switch may be used in conjunction with an non-fused safety switch when there is up to 10 kA short circuit current available. (See table below.)

Above 10, kA—When applied on systems with greater than 10 kA short circuit current available, the UL Listed short circuit current rating for Square D non-fused switches is based upon the switch being used in conjunction with fuses or Square D circuit breakers or Mag-Gard motor circuit protectors.

Table 3.15: Non-Fusible Safety Switches

Heavy Duty Safety Switch Type	Switch Rating (A) ✪	Fuse or Circuit Breaker Type◪	UL Listed Short Circuit Current Rating
Non-Fused Switches	All	Any Brand Circuit Breaker	Up to 10 kA
		H, K	
		R,T,J,L	200 kA
	30–100	FA	14 kA
	30–100	FH	18 kA
	200	KA	22 kA
	400	LA	
	600	MA	
	200	KH	25 kA
	400	LH	
	600	MH	

✪ Applies to NEMA 1, 3R, 4X stainless, 12 switches.
◪ Ampere rating of fuse or circuit breaker not to exceed switch ampere rating.

316 Grade Stainless Steel—NEMA 3, 3R, 4, 4X, 5, 12


H362SS

Type 316 stainless steel enclosure safety switches offer superior corrosion resistance to a wider range of chemicals than Type 304 stainless switches. Type 316 better resists chloride and is often used in marine, waste treatment and transportation applications. Use watertight hubs from page 3-9. Equipment grounding lugs are supplied as standard.
(For Type 304 stainless switches see pages 3-4–3-6.)

Table 3.16: 3P 600 Vac, 600 Vdc

Amperes	Cat. No	$ Price	Horsepower Ratings– 3Ø▲				
			480 Vac		600 Vac		600 Vdc■
			Std.	Max.	Std.	Max.	Max.
Fusible							
30	H361SS	**2296.00**	5	15	7-1/2	20	15
60	H362SS	**2528.00**	15	30	15	50	30
100	H363SS	**5041.00**	25	60	30	75	50
200	H364SS	**7061.00**	50	125	60	150	50
Non-Fusible							
30	HU361SS	**1932.00**	—	20	—	30	15
60	HU362SS	**2296.00**	—	50	—	60	30
100	HU363SS	**4686.00**	—	75	—	100	50
200	HU364SS	**6415.00**	—	125	—	150	50

Fiberglass Reinforced Polyester Enclosures—NEMA 4X


H363DF

Fiberglass reinforced polyester enclosures are watertight, corrosion resistant, and impervious to windblown dust, rain, and splashing liquid. The molded fiberglass is extremely stable in a wide range of operating temperatures and can withstand heavy impact. Switches are furnished with hubs (page 3-13) and equipment grounding lugs. UL Listed.

Table 3.17: 3P 600 Vac, 600 Vdc

Amperes	Cat. No.	$ Price	Class R Fuse Kits		Electrical Interlock Kits Field-Installable Cat. No. ♦		Horsepower Ratings– 3Ø▲				
							480 Vac		600 Vac		600 Vdc■
			Cat. No.	$ Price	1 NO/1 NC Contact	2 NO/2 NC Contacts	Std.	Max.	Std.	Max.	Max.
Fusible											
30	H361DF	**2380.00**	RFK06	**17.00**	9999TC10	9999TC20	5	15	7-1/2	20	15
60	H362DF	**2645.00**	RFK06H	**17.00**	9999TC10	9999TC20	15	30	15	50	30
100	H363DF	**5075.00**	RFK10	**31.80**	9999TC10	9999TC20	25	60	30	75	50
200	H364DF★	**6486.00**	HRK1020	**31.80**	9999R8	9999R9	50	125	60	150	50
Non-Fusible											
30	HU361DF	**2268.00**	—	—	9999TC10	9999TC20	—	20	—	30	15
60	HU362DF	**2521.00**	—	—	9999TC10	9999TC20	—	50	—	60	30
100	HU363DF	**4827.00**	—	—	9999TC10	9999TC20	—	75	—	100	50
200	HU364DF★	**6463.00**	—	—	9999R8	9999R9	—	125	—	—	50

Krydon® Enclosures—NEMA 4X


H361DX

Krydon enclosures are compression molded of fiberglass reinforced polyester, specially formulated to withstand attack from almost any corrosive atmosphere found in the toughest industrial application. Switches are furnished with hubs (page 3-13) and equipment grounding lugs. UL Listed.

Table 3.18: 3P, 600 Vac, 600 Vdc

Amperes	Cat. No.	$ Price	Class R Fuse Kits		Electrical Interlock Kits Field-Installable Cat. No. ♦		Horsepower Ratings– 3Ø▲				
							480 Vac		600 Vac		600 Vdc■
			Cat. No.	$ Price	1 NO/1 NC Contact	2 NO/2 NC Contacts	Std.	Max.	Std.	Max.	Max.
Fusible											
30	H361DX	**2774.00**	RFK06	**17.00**	9999TC10	9999TC20	5	15	7 1/2	20	15
60	H362DX	**3084.00**	RFK06H	**17.00**	9999TC10	9999TC20	15	30	15	50	30
100	H363DX	**5905.00**	RFK10	**31.80**	9999TC10	9999TC20	25	60	30	75	50
Non-Fusible											
30	HU361DX	**2640.00**	—	—	9999TC10	9999TC20	—	20	—	30	15
60	HU362DX	**2937.00**	—	—	9999TC10	9999TC20	—	50	—	60	30
100	HU363DX	**5625.00**	—	—	9999TC10	9999TC20	—	75	—	100	50

NEMA 7 and 9


H60XFA

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 (page 3-13). Suitable for use as service equipment and listed as "Raintight" for outdoor applications. UL Listed, and CSA Certified. Equipment grounding lugs supplied as standard.

Table 3.19: 3P, Non-Fusible, 600 Vac, 250 Vdc Maximum, Short Circuit Rating 10 kA AIR

Amperes	Enclosed Molded Case Switch△		Solid Neutral Assembly		Horsepower Ratings—3Ø		
	Cat. No.□	$ Price	Cat. No.	$ Price	240 Vac	480 Vac	600 Vac■
60	H60XFA	**1714.00**	100SNA	**95.00**	15	30	50
60	H60XFA1212	**1924.00**	100SNA	**95.00**	15	30	50
100	H100XFA	**2030.00**	100SNA	**95.00**	30	60	75
100	H100XFA1212	**2191.00**	100SNA	**95.00**	30	60	75
225	H225XKA□	**4258.00**	225SNA	**126.00**	60	125	150

▲ Std.—Using fast acting one time fuses. Max.—Using dual element time delay fuses.
■ For switching dc use two switching poles.
♦ For EI Kit information and pricing refer to page 3-9.
★ Not suitable for use as service equipment.
▼ Electrical interlock not available. For auxiliary switches, refer to page 7-4 for catalog number suffix and price adder (e.g. H60XFA1212).
△ Includes PKDB1, breather and drain kit, required for rainproof application—NEMA 7 only.
□ Not UL Listed or CSA Certified due to wire bending space requirements.

Receptacle Switches

H362AWA
Interlocked Receptacle Switch with Appleton Powertite Receptacle

Interlocked Receptacle Switches are furnished with a factory-installed 3 Phase 4 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 neutral termination. Interlocking linkage between the receptacle and switch mechanism prevents 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.

Appleton Powertite Receptacle

- Devices are UL Listed and CSA Certified, suitable for use as service equipment.
- Receptacles are epoxy powder coated over copper-free cast aluminum and NEMA 3, 3R, 4, 4X and 12 rated. Appleton receptacles are UL Classified for use with the Crouse-Hinds plugs listed below.
- Short circuit rating: 10 kA when used in conjunction with Class H or K fuses; 200 kA when used in conjunction with Class R or J fuses.

Amperes	NEMA 1		NEMA 3, 3R, 4, 4X, 5, 12 304 Stainless Steel Enclosure		NEMA 12, 3R		Use With Plug ▲		Horsepower Ratings–3Ø■					
	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	480 Vac		600 Vac		250 Vdc♦	
									Std.	Max.	Std.	Max.	Std.	Max.
Fusible—3P, 600 Vac, 250 Vdc														
30	H361WA	**1384.00**	H361DSWA	**2934.00**	H361AWA	**1526.00**	ACP3034BC	**823.00**	5	15	7-1/2	20	5	—
60	H362WA	**1608.00**	H362DSWA	**3112.00**	H362AWA	**1672.00**	ACP6034BC	**863.00**	15	30	15	50	10	—
100	H363WA	**2459.00**	H363DSWA	**5645.00**	H363AWA	**2505.00**	ACP1034CD	**1285.00**	25	60	30	75	20	—
Non-Fusible—3P, 600 Vac, 250 Vdc														
30	HU361WA	**1262.00**	HU361DSWA	**2667.00**	HU361AWA	**1384.00**	ACP3034BC	**823.00**	—	20	—	30	—	5
60	HU362WA	**1537.00**	HU362DSWA	**2941.00**	HU362AWA	**1571.00**	ACP6034BC	**863.00**	—	50	—	60	—	10
100	HU363WA	**2102.00**	HU363DSWA	**5340.00**	HU363AWA	**2231.00**	ACP1034CD	**1285.00**	—	75	—	100	—	20

▲ Receptacle UL Listed for use with "Appleton ACP or CPH" plugs; UL Classified for use with Crouse-Hinds "APJ" Arktite plugs listed on this page.
■ Std.—Using fast acting one time fuses. Max.—Using dual element time delay fuses.
♦ For switching dc, use two switching poles.

H362AWC
Interlocked Receptacle Switch with Crouse-Hinds

Crouse-Hinds Arktite Receptacle

- UL Listed, suitable for use as service equipment.
- Short circuit rating: 10 kA when used in conjunction with Class H or K fuses; 200 kA when used in conjunction with Class R or J fuses.

Table 3.20:

Amperes	NEMA 1		NEMA 3, 3R, 4, 4X, 5, 12 304 Stainless Steel Enclosure		NEMA 12, 3R		Use With Plug		Horsepower Ratings–3Ø★			
	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	480 Vac		600 Vac	
									Std.	Max.	Std.	Max.
Fusible—3P, 600 Vac Maximum												
30	H361WC	**1426.00**	H361DSWC	**4251.00**	H361AWC	**1570.00**	APJ3485	**823.00**	5	15	7-1/2	20
60	H362WC	**1834.00**	H362DSWC	**5166.00**	H362AWC	**1897.00**	APJ6485	**863.00**	15	30	15	50
100	H363WC	**4003.00**	H363DSWC	**9884.00**	H363AWC	**4058.00**	APJ10487	**1285.00**	—	60	—	75
Non-Fusible—3P, 600 Vac Maximum												
30	HU361WC	**1301.00**	HU361DSWC	**3925.00**	HU361AWC	**1424.00**	APJ3485	**823.00**	—	20	—	30
60	HU362WC	**1756.00**	HU362DSWC	**4916.00**	HU362AWC	**1785.00**	APJ6485	**863.00**	—	50	—	60
100	HU363WC	**3499.00**	HU363DSWC	**9350.00**	HU363AWC	**3629.00**	APJ10487	**1285.00**	—	60	—	100

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

Hubbellock Receptacle

- UL Listed, suitable for use as service equipment.
- Short circuit rating: 10 kA.

Note: The Hubbellock receptacle switch utilizes the Square D interlocked plug SD12781 only available from Square D.

Table 3.21:

Amperes	NEMA 1		NEMA 12		Use With Plug		Horsepower Ratings—3Ø▼			
	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	480 Vac		600 Vac	
							Std.	Max.	Std.	Max.
Fusible—3P, 600 Vac Maximum										
60	H362WH	**1567.00**	H362AWH	**1639.00**	SD12781△	**406.00**	15	30	15	50
Non-Fusible—3P, 600 Vac Maximum										
60	HU362WH	**1491.00**	HU362AWH	**1540.00**	SD12781△	**406.00**	—	50	—	60

▼ Std.—Using fast acting one time fuses. Max.—Using dual element time delay fuses.
△ Hubbell plug is furnished with a Kellems grip for 1-1/2 in. to 1-21/64 in. cable diameter.

H362AWH
Interlocked Receptacle Switch with Hubbell Hubbellock Receptacle

Accessories . . . . . pages 3-9 through 3-11.

RB Hub

Rainproof Bolt-On Hubs—For Use On NEMA 3R Enclosure

Conduit Size	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	Closing Cap
Hub Cat. No.	B075	B100	B125	B150	B200	B250	B300	B350	B400	BCAP
$ Price Each (DE1A)	22.20	22.20	22.20	22.20	40.90	68.00	124.00	200.00	245.00	2.50

Note: NEMA 3R rainproof enclosures with Cat. No. ending in RB have a bolt-on closing cap factory-installed. Order bolt-on hubs separately from table above. For more details see page 1-13. Hubs through size 2 1/2 can be directly installed on RB devices. Devices requiring 3" or larger hubs must have holes cut in the field. Gaskets are provided on 3" and larger hubs.

Note: All hubs are UL Listed for indoor and rainproof applications and suitable for use with conduit having ANSI standard taper pipe thread.

Watertight Hubs—For Use On NEMA 4, 4X and 5 Stainless Steel and NEMA 12 Enclosures

Conduit Trade Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/22	3	3-1/2	4
Standard-Zinc Hub Cat. No.	H050	H075	H100	H125	H150	H200	H250	H300	H350	H400
Zinc $ Price Each	20.70	30.00	31.40	36.00	55.00	80.00	92.00	118.00	188.00	254.00
Chrome Plated Hub Cat. No.	H050CP	H075CP	H100CP	H125CP	H150CP	H200CP	—	—	—	—

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 3.22: Electrical Interlock Kit ▲

Switch Rating (A)	Series Number (See pages 3-12, 3-13)	Electrical Interlock Kit Cat. No. ■	$ Price	Factory-Installed $ Price
30	F1, F5–F7	EIK031♦ ★ EIK032♦ ★	145.00	239.00
	F3	EIK1 EIK2	207.00	301.00
60	F1-F3 F5–F7 (600 V)	EIK1 EIK2	207.00	301.00
	F4 F5–F6 (240 V)	EIK031▼ EIK032▼	145.00	239.00
100–200	F2–F7	EIK1 EIK2	207.00	301.00
400–1200	E1–E4	EIK40601 EIK40602	355.00	449.00

▲ See page 3-7 for electrical interlocks on NEMA 4X fiberglass reinforced polyester and Krydon®.

■ Electrical interlock kit catalog numbers with 1 suffix indicates one normally open and one normally closed contact; 2 indicates two normally open and two normally closed contacts. Kits are UL Listed.

♦ HU461AWK uses EK3061 or EK3062.

★ The following series -F5–F7 devices use EIK-1,2: H3612, H3612A, H3612AWK, H3612RB, H461, H461DS, H461AWK, HU461, HU461DS, HU661DS, HU661AWK, H361AWA, H361AWC, HU361AWA and HU361AWC.

▼ H362WA, HU362WA, H362WC, H362AWA, HU362AWA, H362AWC, HU362AWC, and H2212AWK use EIK1 or EIK2 electric interlock.

Table 3.23: Electrical Interlock Contact Ratings △

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

△ Single pole single throw interlock kits are rated 1⁄ 2 hp @ 110 and 220 Vac.

Class R Fuse Kits

When installed, this kit rejects all but Class R fuses. Kits are available for field installation. For factory installation, add "CLR" suffix to catalog number.

Table 3.24: Class R Fuse Kits—240 V (one kit per 3P switch)

Switch Rating (A)	Series Number (See pages 3-12, 3-13)	Class R Fuse Kit Cat. No.	$ Price	Factory-Installed $ Price
30	F5–F7	RFK03L□	17.00	130.00
60	F1, F2, F3	RFK06	17.00	130.00
60	F4–F7	RFK03H	17.00	130.00
100	F2–F7	RFK10	31.80	154.00
200	F5–F6	HRK1020	31.80	154.00
400–600	E	HRK4060	74.00	240.00

□ H221-2AWK uses RFK06 Class R fuse kit.

Table 3.25: Class R Fuse Kits—600 V (one kit per 3P switch)

Switch Rating (A)	Series Number (See pages 3-12, 3-13)	Class R Fuse Kit Cat. No.	$ Price	Factory-Installed $ Price
30 ◊	F1, F5–F7	RFK03H☆	17.00	130.00
30 ◊	F3	RFK06	17.00	130.00
60 ◊	F1–F7	RFK06H ☆	17.00	130.00
100 ◊	F2–F7	RFK10	31.80	154.00
200	F5–F6	HRK1020	31.80	154.00
400–600	E2–E4	HRK4060	74.00	240.00

◊ See page 3-7 for Class R Fuse Kits in NEMA 4X Fiberglass Reinforced Polyester and Krydon switches.

☆ The following series -F5–F7 devices use RFK06: H3612, H3612A, H3612AWK, H3612RB, H461, H461DS, H461AWK, H361AWA and H361AWC.

Internal Barrier Kits *New!*

Internal Barrier Kits provide an additional barrier that helps prevent accidental contact with live parts. Field-installed transparent barriers do not restrict visual inspection of the switch. Barriers provide IEC529 IP2X "finger safe" protection when door of enclosed disconnect switch is open. Convenient door allows use of test probes without accessing fuses and replacement of fuses without removing barrier. Barrier can also be used with the skirt kit to enclose a panel mounted Type 9422 disconnect.

Cat. No.	Description	Safety Switch Application (F Series Only)	9422 Type T Disconnect Application	$ Price
SS03	Interior Barrier for 30 A Safety Switch▽	600 Vac – 30 A 240 Vac – 60 A	NA	100.
SS06	Interior Barrier for 60 A Safety Switch, 30 or 60 A 9422 Switch	600 Vac – 60 A	600 Vac – 30 A 600 Vac – 60 A	110.
SS10	Interior Barrier for 100 A Safety Switch or 100 A 9422 Switch	600 Vac – 100 A	600 Vac – 100 A	130.
SS20	Interior Barrier for 200 A Safety Switch	600 Vac – 200 A	NA	150.
SS0306SK	Skirt Kit to Enclose 30 or 60A 9422 Switch (requires SS06)	NA	600 Vac – 30 A 600 Vac – 60 A	150.
SS10SK	Skirt Kit to Enclose 100 A 9422 Switch (requires SS10)	NA	600 Vac – 100 A	170.

▽ Requires arc shield on 240 V switches be changed to 600 V arc suppressor.

Neutral Assemblies—Field-Installable Neutral Assemblies For Fusible and Non-Fusible 240 and 600 Volt Safety Switches

Switch Rating (A)	Series Number (Seepages 3-12, 3-13)	Standard Neutral Kit Cat. No.	Terminal Data AWG/kcmil	.rice	Optional Copper Only Neutral Kit Cat. No.	Terminal Data AWG/kcmil	$ Price
30	F1, F5–F6	SN03▲	(3) 2 Max. Al/Cu	**55.00**	SN03C▲	(3) 6 Max. Cu	**68.00**
60	F1–F3, F5–F6 (600 V)	SN0610	(2) 1/0 Max. Al/Cu (2) 2 Max. Al/Cu	**71.00**	SN0610C	(2) 1/0 Max. Cu (2) 6 Max. Cu	**76.00**
	F4, F5–F6 (240 V)	SN03▲	(3) 2 Max. Al/Cu	**55.00**	SN03C▲	(3) 6 Max. Cu	**68.00**
100	F2–F6	SN0610	(2) 1/0 Max. Al/Cu (2) 6 Max. Al/Cu	**71.00**	SN0610C	(2) 1/0 Max. Cu (2) 6 Max. Cu	**76.00**
200■	F5–F6	SN20A	(2) 250 Max. Al/Cu (1) 1/0 Max. Al/Cu	**133.00**	SN20C	(2) 250 Max. Cu (1) 1/0 Max. Cu	**164.00**
400 & 600	E1–E4	H600SN	(4) 750 Max. Al/Cu (1) 300 Max. Al/Cu	**218.00**	H600SNC	(2) 600 Max. Cu (2) 350 Max. Cu (1) 250 Max. Cu	**301.00**
800	E2–E4	H800SNE4	(6) 750 Max. Al/Cu (2) 350 Max. Al/Cu	**502.00**	—	—	—
1200	E2–E4	H1200SNE4	(8) 750 Max. Al/Cu (2) 350 Max. Al/Cu	**689.00**	—	—	—

Note: Neutrals cannot be installed in 4P, 6P, or NEMA 4X fiberglass reinforced polyester safety switches.

▲ The following series -F5–F6 devices use SN0610(C): H-361-2, H-361-2RB, H-361-2A and H-361-2AWK.

■ For 200% neutral, order (2) neutral kits and (1) SN20NI neutral jumper kit. Price **$18.40.** (2) 350 Max. Al/Cu.

Equipment Grounding Kits

Equipment grounding kits are field-installable and UL Listed in 30–1200 A heavy duty switches. For factory installation of equipment grounding kit, add suffix GL to standard Cat. No. (Example: H361GL). Price = Switch + Kit Price.

NOTE: *Kits are factory-installed standard in 30–200 A series F NEMA 4-4X-5 (stainless) and 12, and in all NEMA 30–200 A Series F 4–6P switches.*

Equipment Grounding Kits—Field- or Factory-Installable Equipment Grounding Kits–240 and 600 V

Switch Rating (A)	Series Number (See pages 3-12, 3-13)	Standard Cat. No.	Terminal Data AWG/kcmil	$ Price	Optional Copper Only Cat. No.	Terminal Data AWG/kcmil	$ Price
30	F1, F5–F7	GTK03♦	(2) 12 Cu or (2) 10 Al or (1) 4 Max. Al/Cu	**7.60**	GTK03C♦	(1) 6 Max. Cu	**8.90**
60★	F1–F3★, F5–F7 (600 V)	GTK0610★	(2) 2/0 Max. Al/Cu	**12.60**	GTK0610C★	(2) 4 Max. Cu	**15.10**
60	F4, F5–F6 (240 V)	GTK03	(2) 12 Cu or (2) 10 Al or (1) 4 Max. Al/Cu	**7.60**	GTK03C	(1) 6 Max. Cu	**8.90**
100	F2–F7	GTK0610	(2) 2/0 Max. Al/Cu	**12.60**	GTK0610C	(2) 4 Max. Cu	**15.10**
200	F5–F7	PKOGTA2	(2) 2/0 Max. Al/Cu	**36.80**	PKOGTC2	(2) 4 Max. Cu	**38.90**
400 & 600	E2–E4	PKOGTA2▼ (2 Required)	(2) 2/0 Max. Al/Cu	**36.80**	PKOGTC3	(4) 1/0 Max. Cu	**71.00**△
800	E2–E4	PKOGTA7	(4) 350 Max. Al/Cu	**132.00**△	—	—	—
1200	E2–E4	PKOGTA8	(8) 350 Max. Al/Cu	**135.00**△	—	—	—

♦ The following series -F5–F6 devices use GTK0610(C): H-361-2 and H-361-2RB

★ 4- and 6-pole 30 A F Series.

▼ Two required if grounding conductors are run in parallel.

△ PE1A Discount Schedule

Table 3.26: Square D Gray Paint

Description	Cat. No.	$ Price
16 oz. Aerosol Paint Can, Square D Gray Paint	PK49SP	**26.00 ea.**

Note: Shipped in quantities of 6.

Special Paint

UL Listed heavy duty switches are available painted with special safety colors. Special colors available include: safety red, safety orange, safety yellow, safety green, safety blue, safety purple, black and white.

All colors comply with OSHA Standard 1910.144 and ANSI Specification Z535.1 for marking physical hazards.

A minimum quantity of 10 is required. To order, add suffix SP to standard Cat. No. Specify color on order.

Price Adder Each Switch

Quantity	$ Price					
	30 A	60 A	100 A	200 A	400 A	600 A
10	**161.00**	**185.00**	**289.00**	**319.00**	**758.00**	**1867.00**

Phenolic Legend Plate

Available engraved and mounted on all heavy duty safety switches, except NEMA 7 and 9. Legend engraved in 1/4 in. high white letters on black background. Customer must provide legend. UL Listed.

To order, add suffix NP to standard Cat. No. Example: H363-NP

Price adder per legend plate—**$111.00**

Key Interlock Systems

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

Interlocks are used to prevent the authorized operator from making an 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 Square D for Cat. No., 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
- Schneider Electric locks supplied unless otherwise specified.

Use these suffixes on switch Cat. Nos.:

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

Table 3.27: Price Adder Per Lock ▲

Switch Type	$ Price
30–1200 A Heavy Duty	**1370.00**
30–600 A Double Throw	**1325.00**

▲ Prices do not apply when more than three devices are interlocked, as these schemes normally require more than one key assembly per device.

Lock-On Provisions

Lock-off provisions are standard on all heavy duty safety switches. Provision for one $^{3}/_{8}$ in. hasp padlock is available factory-installed on NEMA 1, 3R, 4-4X-5 stainless steel and 12 switches. This modification will allow the switch to be locked in the "ON" position. UL Listed.

Table 3.28: Price Adder Per Each Switch

Safety Switch Rating	$ Price
30–1200 A	**103.00**

To order, add suffix SPLO to standard Cat. No. Example: H364-SPLO

Cover Viewing Window

Optional cover viewing window is positioned over the blades to allow visual verification of "ON-OFF" status. Available on 30 through 1200 A heavy duty switches, all NEMA Types. (Not available on NEMA 4X fiberglass reinforced polyester, Krydon® enclosures, or NEMA 7 and 9 devices.)

Factory-installed only: add "VW" suffix to the Cat. No. See table below for price adder.

Table 3.29: Price Adder Per Switch—UL Listed

Amperes	2 and 3-Pole	4 and 6-Pole
30–200 A	**25.00**	**50.00**
400–1200 A	**1531.00**	—

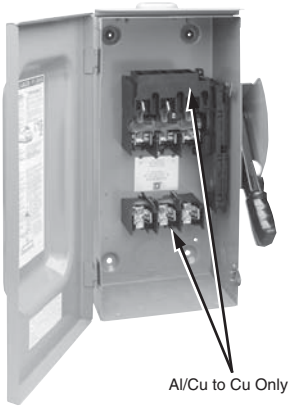
Copper Only Lug Kits

Heavy duty safety switches are supplied standard with Al lugs, which accept both Cu and Al wires. For field installation of copper-only lug kits, order kits below. For factory installation of copper only lugs, add suffix SLC to standard Cat. No. **Note:** NEMA 12, 12K and stainless steel switches with factory-installed lugs bear the UL Marine Listed manifest for use on vessels over 65 feet long. NEMA 12, 12K and stainless steel switches using field-installed copper only lug kits are UL Marine Listed, but do not bear the marine manifest.

Table 3.30: Kits – Wire size (page 3-13)

Switch (A)	Lug Kit Cat. No.■	Kit $ Price	Factory-Installed Adder per Switch
30	CL0306F	**46.30**	**149.**
60	CL0306F	**46.30**	**149.**
100	CL10F	**106.00**	**287.**
200	CL20F	**176.00**	**478.**
400	CL40F	**366.00**	**993.**
600	CL60F	**595.00**	**1617.**
800	—	—	—
1200	—	—	—

■ One kit includes all phase line/load lugs for a 3-pole switch.



Al/Cu to Cu Only

Double Lug Kits

200 A heavy duty F-series switches are supplied standard with lugs listed on page 3-12 (one wire per phase). For lugs that accept two wires per phase and neutral, order the following kit:

NOTE: *Not UL Listed.*

Switch (A)	Lug Kit Cat. No.	Kit $ Price♦	Lug wire range per phase and neutral AWG/kcmil	Switch wire range per phase and neutral AWG/kcmil
200	AL20DTF	**106.00**	(2) 6 –300 Cu/Al	(2) 6 –250 Cu/Al

♦ Kit contains 3 lugs. For double lugs for line and load, order 2 kits.

Table 3.31: 800 and 1200 A Compression Lug Kits– Field- Installable (See page 3-12 for 100–600 A switches)

Series E4 800 and 1200 A safety switches are equipped as standard with mechanical lugs. Alternate compression lug kits are available for field installation and are UL Listed. Each kit consists of VCEL07512H1 Versa-Crimp® Compression Lugs and lug landing connectors capable of converting line and load side of one switch pole or neutral.

Order one field-installable kit per pole or neutral per table below. Example: 3-pole, 3 wire requires (3) kits; 3-pole, 4 wire requires (4) kits.

Switch Amperes	Lug Kit Cat. No.	$ Price Per Pole or Neutral
800	H8LKE2	**595.00**
1200	H12LKE2	**739.00**

Note: For terminal lug data, refer to table below.

Table 3.32: Factory-Installed

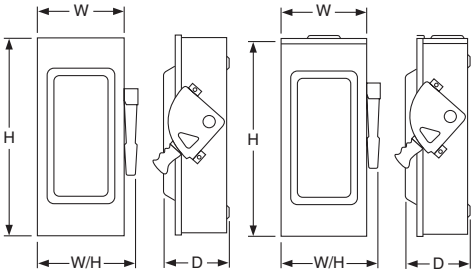
Series E4 800 and 1200 A safety switches are available with factory-installed VCEL-075-12H1 Versa-Crimp compression lug kits (above). For factory installation add suffix LK to standard Cat. No. (Example: H367LK) and use price adder from table below based on system type.

Switch Amperes	System	Factory-Installed $ Price Adder Per Switch
800	2 Wire	**1404.00**
	3 Wire	**1981.00**
	4 Wire	**2559.00**
1200	2 Wire	**1727.00**
	3 Wire	**2464.00**
	4 Wire	**3204.00**

Note: **For terminal Lug data refer to table below.**

Table 3.33: Terminal Lug Data—800 and 1200 A Compression Lugs

Switch Amperes	Conductors Per Phase	Compression Lug (VCEL-075-12H1) Wire Range
800	(3) Line and (3) Load	500–750 kcmil (Al) or 500 kcmil (Cu)
1200	(4) Line and (4) Load	500–750 kcmil (Al) or 500 kcmil (Cu)



Typical NEMA 1 Typical NEMA 3R

Table 3.34: Terminal Lug Data (NEMA 1, 3R, 4, 4X, 5, 7, 9, 12)▲

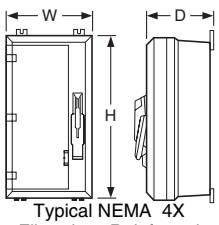
Rating (A)	Conductors Per Phase and Neutral	Wire Range Wire Bending Space Per NEC Table 312.6 AWG/kcmil	Lug Wire Range AWG/kcmil	Optional Versa-Crimp® Compression Lug Field-Installable■
30♦	1	12–6 (Al) or 14–6 (Cu)	12–2 (Al) or 14–2 (Cu)	—
	2	14–10 (Cu) solid or 14–10 (Cu) stranded		
60★	1	14–3 (Al) or 14–3 (Cu)	12–2 (Al) or 14–2 (Cu)	—
100	1	12–1/0 (Al) or 14–1/0 (Cu)	12–1/0 (Al) or 14–1/0 (Cu)	VCEL02114S1
200▼	1	6–250 (Al/Cu)	6–300 (Al/Cu)	VCEL030516H1
400	1 or 2	1/0–750 (Al/Cu)△ or 1/0–300 (Al/Cu)	1/0–750 (Al/Cu) and 1/0–300 (Al/Cu)	VCEL07512H1 or VCEL030516H1□ and VCEL05012H1
600	2	3/0–500 (Al/Cu)	3/0–500 (Al/Cu)	VCEL05012H1
800	3	3/0–750 (Al/Cu)	3/0–750 (Al/Cu)	H8LKE2◊
1200	4	3/0–750 (Al/Cu)	3/0–750 (Al/Cu)	H12LKE2 ◊

▲ 30–100 A switches suitable for 60°C or 75°C conductors. 200–1200 A switches suitable for 75°C conductors.
■ For NEMA 1 and R3 only.
♦ HU461AWK— 14–6 AWG (Cu).
★ H60XFA— 14–6 AWG (Cu).
▼ H225XKA— 4 AWG–300 kcmil (Cu).
△ Max. wire range 600 Al/Cu on NEMA 4-4X Stainless and NEMA 12.
□ Order two PK516KN mounting kits (**$5.80** each. Lexington Order Point) when installing VCEL030516H1 lugs. Only one kit is required on 2-Pole switches.
◊ See page 3-11, 800 and 1200 A compression lug kits for additional information.

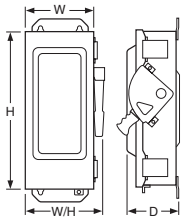
Cat. No.	Series	Approximate Dimensions H in.	H mm	W in.	W mm	D in.	D mm	W/H in.	W/H mm
H221N	F5	14.60	371	6.50	165	4.88	124	7.55	192
H221NRB	F5	14.88	378	6.63	168	4.88	124	7.55	192
H222N	F5	14.60	371	6.50	165	4.88	124	7.55	192
H222NRB	F5	14.88	378	6.63	168	4.88	124	7.55	192
H223N	F5	21.25	540	8.50	216	6.38	162	10.50	267
H223NRB	F5	21.25	540	8.50	216	6.38	162	10.50	267
H224N	F5	29.00	737	17.13	435	8.25	210	18.50	470
H224NRB	F5	29.25	743	17.25	438	8.50	216	18.63	473
H225, N	E4	50.25	1276	27.63	702	10.13	257	27.63	702
H225NR, R	E4	50.31	1278	27.88	708	10.13	257	27.88	708
H226, N	E4	50.25	1276	27.63	702	10.13	257	27.63	702
H226NR, R	E4	50.31	1278	27.88	708	10.13	257	27.88	708
H227, N	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H227NR, R	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H228, N	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H228NR, R	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H265	E4	50.25	1276	27.63	702	10.13	257	27.63	702
H265R	E4	50.31	1278	27.88	708	10.13	257	27.88	708
H266	E4	50.25	1276	27.63	702	10.13	257	27.63	702
H266R	E4	50.31	1278	27.88	708	10.13	257	27.88	708
H267	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H267R	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H268	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H268R	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H321N	F5	14.60	371	6.50	165	4.88	124	7.55	192
H321NRB	F5	14.88	378	6.63	168	4.88	124	7.55	192
H322N	F5	14.60	371	6.50	165	4.88	124	7.55	192
H322NRB	F5	14.88	378	6.63	168	4.88	124	7.55	192
H323N	F5	21.25	540	8.50	216	6.38	162	10.50	267
H323NRB	F5	21.25	540	8.50	216	6.38	162	10.50	267
H324N	F5	29.00	737	17.13	435	8.25	210	18.50	470
H324NRB	F5	29.25	743	17.25	438	8.50	216	18.63	473
H325, N	E4	50.25	1276	27.88	708	10.13	257	27.88	708
H325R, NR	E4	50.31	1278	27.88	708	10.13	257	27.88	708
H326, N	E4	50.25	1276	27.63	702	10.13	257	27.63	702
H326R, NR	E4	50.31	1278	27.88	708	10.13	257	27.88	708
H327, N	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H327R, NR	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H328, N	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H328R, NR	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H361, N	F5	14.60	371	6.50	165	4.88	124	7.55	192
H361-2	F5	17.50	445	9.00	229	6.38	162	10.50	267
H361NRB, RB	F5	14.88	378	6.63	168	4.88	124	7.55	192
H361WA	F6	18.19	462	9.00	229	6.81	173	10.50	267
H361WC	F6	18.19	462	9.00	229	6.81	173	10.50	267
H362, N	F5	17.50	445	9.00	229	6.38	162	10.50	267
H362NRB, RB	F5	17.50	445	9.00	229	6.38	162	10.50	267
H362WA	F6	18.19	462	9.00	229	6.81	173	10.50	267
H362WC	F6	16.75	425	9.00	229	7.00	178	10.50	267
H362WH	F5	18.19	462	9.00	229	6.81	173	10.50	267
H363, N	F5	21.25	540	8.50	216	6.38	162	10.50	267
H363NRB, RB	F5	21.25	540	8.50	216	6.38	162	10.50	267
H363WA	F6	21.85	462	9.00	229	6.81	173	10.50	267
H363WC	F6	21.85	555	9.00	229	6.81	173	10.50	267

Cat. No.	Series	Approximate Dimensions H in.	H mm	W in.	W mm	D in.	D mm	W/H in.	W/H mm
H364, N	F5	29.00	737	17.13	435	8.25	210	18.50	470
H364RB, NRB	F5	29.25	743	17.25	438	8.50	216	18.63	473
H365, N	E4	50.25	1276	27.63	702	10.13	257	27.63	702
H365R, NR	E4	50.31	1278	27.88	708	10.13	257	27.88	708
H366, N	E4	50.25	1276	27.63	702	10.13	257	27.63	702
H366NR, R	E4	50.31	1278	27.88	708	10.13	257	27.88	708
H367, N	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H367NR, R	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H368, N	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H368NR, R	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H461	F5	20.50	521	14.75	375	6.85	174	16.13	410
H462	F5	20.50	521	14.75	375	6.85	174	16.13	410
H463	F5	20.50	521	14.75	375	6.85	174	16.13	410
H464	F5	29.00	737	23.25	591	8.75	222	24.88	632
H465	E4	50.25	1276	33.88	861	10.13	257	33.88	861
H466	E4	50.25	1276	33.88	861	10.13	257	33.88	861
HU265	E4	50.25	1276	27.63	702	10.13	257	27.63	702
HU265R	E4	50.31	1278	27.88	708	10.13	257	27.88	708
HU266	E4	50.25	1276	27.63	702	10.13	257	27.63	702
HU266R	E4	50.31	1278	27.88	708	10.13	257	27.88	708
HU267	E4	69.13	1756	36.62	930	17.75	451	36.62	930
HU267R	E4	69.13	1756	36.62	930	17.75	451	36.62	930
HU268	E4	69.13	1756	36.62	930	17.75	451	36.62	930
HU268R	E4	69.13	1756	36.62	930	17.75	451	36.62	930
HU361	F5	14.60	371	6.50	165	4.88	124	7.55	192
HU361RB	F5	14.88	378	6.63	168	4.88	124	7.55	192
HU361WA	F6	18.19	462	9.00	229	6.81	173	10.50	267
HU361WC	F6	18.19	462	9.00	229	6.81	173	10.50	267
HU362	F5	17.50	445	9.00	229	6.38	162	10.50	267
HU362RB	F5	17.50	445	9.00	229	6.38	162	10.50	267
HU362WA	F6	18.19	462	9.00	229	6.81	173	10.50	267
HU362WC	F6	16.75	425	9.00	229	7.00	178	10.50	267
HU362WH	F5	18.19	462	9.00	229	6.81	173	10.50	267
HU363	F5	21.25	540	8.50	216	6.38	162	10.50	267
HU363RB	F5	21.25	540	8.50	216	6.38	162	10.50	267
HU363WA	F6	21.85	462	9.00	229	6.81	173	10.50	267
HU363WC	F6	21.85	555	9.00	229	6.81	173	10.50	267
HU364	F5	29.00	737	17.13	435	8.25	210	18.50	470
HU364RB	F5	29.25	743	17.25	438	8.50	216	18.63	473
HU365	E4	50.25	1276	27.63	702	10.13	257	27.63	702
HU365R	E4	50.31	1278	27.88	708	10.13	257	27.88	708
HU366	E4	50.25	1276	27.63	702	10.13	257	27.63	702
HU366R	E4	50.31	1278	27.88	708	10.13	257	27.88	708
HU367	E4	69.13	1756	36.62	930	17.75	451	36.62	930
HU367R	E4	69.13	1756	36.62	930	17.75	451	36.62	930
HU368	E4	69.13	1756	36.62	930	17.75	451	36.62	930
HU368R	E4	69.13	1756	36.62	930	17.75	451	36.62	930
HU461	F5	20.50	521	14.75	375	6.85	174	16.13	410
HU462	F5	20.50	521	14.75	375	6.85	174	16.13	410
HU463	F5	20.50	521	14.75	375	6.85	174	16.13	410
HU464	F5	29.00	737	23.25	591	8.75	222	24.88	632
HU465	E4	50.25	1276	33.88	861	10.13	257	33.88	861
HU466	E4	50.25	1276	33.88	861	10.13	257	33.88	861

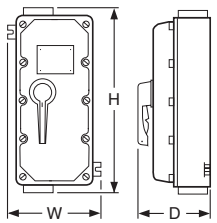
NEMA Type 4, 4X, 5, 7, 9 and 12



Typical NEMA 4X Fiberglass Reinforced Polyester and Krydon®



Typical NEMA 4, 4X, 5, 12, 12K (Stainless has flat front)



Typical NEMA 7, 9

Table 3.35: Optional Copper Only Lug Kits —

(See page 3-11 for pricing. See page 3-12 for terminal lug data for the series switches listed in the dimension table below.**)**

Rating (A)	Optional Lug Kit Cat. No.▲	Lug Wire Range Per Phase AWG/kcmil
30–60	CL0306F	(1) 14–8 Cu solid or 14–4 Cu strand
100	CL10F	(1) 14–8 Cu solid or 14–1/0 Cu strand
200	CL20F	(1) 6–250 Cu
400	CL40F	(1) 1–600 Cu plus (1) 6–250 Cu
600	CL60F	(2) 4–350 Cu

▲ One kit includes all phase line/load lugs for a 3-pole switch.

Table 3.36: Conduit Provisions —

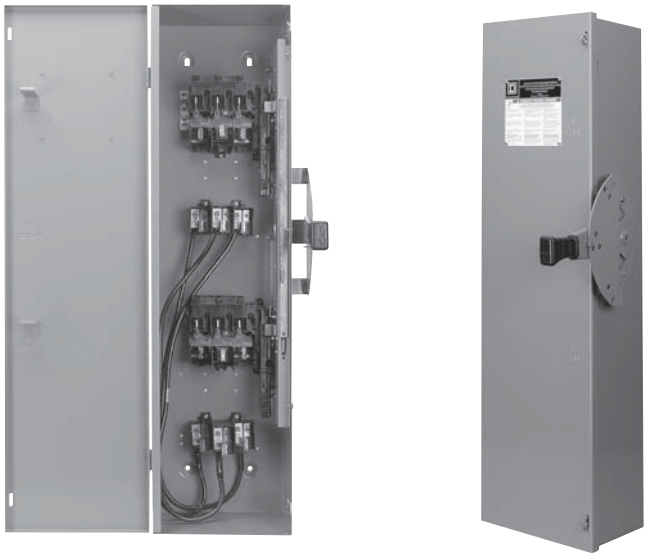
NEMA 4X Fiberglass Reinforced Polyester and Krydon, NEMA 7 and 9

Rating (A)	Top and Bottom Endwall	
	NEMA 4X Fiberglass Reinforced Polyester and Krydon■	NEMA 7 and 9♦
30	3/4 in.	—
60	1-1/4 in.	3/4 in.
100	2 in.	1-1/4 in.
200	2-1/2 in.	2-1/2 in.

■ Hubs and hub drilling templates are provided for field installation.
♦ Threaded conduit opening.

Cat. No.	Series	Approximate Dimensions							
		H		W		D		W/H	
		in.	mm	in.	mm	in.	mm	in.	mm
H60XFA	E1	15.93	405	9.87	251	6.96	177	9.87	251
H100XFA	E1	15.93	405	9.87	251	6.96	177	9.87	251
H221AWK, A	F6	14.60	371	6.63	168	4.96	125	7.55	192
H221DS	F6	14.93	379	7.22	183	5.11	130	8.67	220
H221-2AWK	F6	16.50	419	9.00	229	7.00	178	10.50	267
H222AWK, A	F6	14.60	371	6.63	168	4.96	125	7.55	192
H222DS	F6	14.93	379	7.22	183	5.11	130	8.67	220
H223AWK, A	F6	20.50	521	9.00	229	7.00	178	10.50	267
H223DS	F6	20.82	529	9.36	238	6.97	177	11.25	286
H224A,AWK	F6	29.00	737	17.25	438	8.75	216	18.63	473
H224DS	F6	29.00	737	17.75	451	8.88	226	19.25	489
H225AWK, DS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H225NAWK, NDS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H225XKA	C2	22.56	573	10.88	276	7.75	197	10.88	276
H226AWK, DS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H226NAWK, NDS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H227AWK, NAWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H228AWK, NAWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H265AWK, DS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H266AWK, A, DS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H267AWK, NAWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H268AWK, NAWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H321AWK, A	F6	14.60	371	6.63	168	4.96	125	7.55	192
H321DS	F6	14.93	379	7.22	183	5.11	130	8.67	220
H322AWK, A	F6	14.60	371	6.63	168	4.96	125	7.55	192
H322DS	F6	14.93	379	7.22	183	5.11	130	8.67	220
H323AWK, A	F6	20.50	521	9.00	229	7.00	178	10.50	267
H323DS	F6	20.82	529	9.36	238	6.97	177	11.25	286
H324A,AWK	F6	29.00	737	17.25	438	8.75	216	18.63	473
H324DS	F6	29.00	737	17.75	451	8.88	226	19.25	489
H325AWK, DS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H325NAWK, NDS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H326AWK, DS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H326NAWK, NDS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H327AWK, NAWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H328AWK, NAWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H361AWA	F7	16.50	419	9.00	229	7.00	178	10.50	267
H361AWC	F7	16.50	419	9.00	229	7.00	178	10.50	267
H361AWK, A	F6	14.60	371	6.63	168	4.96	125	7.55	192
H361DS	F6	14.93	379	7.22	183	5.11	130	8.67	220
H361DSWA	F7	16.87	428	8.92	227	5.11	130	10.81	275
H361DSWC	F7	16.87	428	8.92	227	5.11	130	10.79	274
H361DF	F1	16.50	419	11.00	279	8.80	224	11.00	279
H361DX	F1	19.40	493	11.40	290	8.60	218	11.40	290
H361SS	F6	14.93	379	7.22	183	5.11	130	8.67	220
H361-2AWK, A	F6	16.50	419	9.00	229	7.00	178	10.50	267
H362AWA	F7	16.50	419	9.00	229	7.00	178	10.50	267
H362AWC	F7	16.50	419	9.00	229	7.00	178	10.50	267
H362AWH	F6	16.50	419	9.00	229	7.00	178	10.50	267
H362AWK, A	F6	16.50	419	9.00	229	7.00	178	10.50	267
H362DS	F6	16.87	428	8.92	227	6.97	177	10.81	275
H362DSWA	F7	16.87	428	8.92	227	5.11	130	10.81	275
H362DSWC	F7	16.87	428	8.92	227	5.11	130	10.79	274
H362DF	F1	16.50	419	11.00	279	8.80	224	11.00	279
H362DX	F1	19.40	493	11.40	290	8.60	218	11.40	290
H362SS	F6	16.87	428	8.92	227	6.97	177	10.81	275
H363AWA	F7	20.50	521	9.00	229	7.00	178	10.50	267
H363AWC	F7	20.50	521	9.00	229	7.00	178	10.50	267
H363AWK, A	F6	20.50	521	9.00	229	7.00	178	10.50	267
H363DS	F6	20.82	529	9.36	238	6.97	177	11.25	286
H363DSWA	F7	20.82	529	9.36	238	6.97	177	11.25	286
H363DSWC	F7	20.82	529	9.36	238	6.97	177	11.25	286
H363DF	F1	24.80	630	13.70	348	12.00	305	13.70	348
H363DX	F1	25.25	641	11.40	290	8.60	218	11.40	290
H363SS	F6	20.82	529	9.36	238	6.97	177	11.25	286
H364A,AWK	F6	29.00	737	17.25	438	8.75	216	18.63	473
H364DS,NDS	F6	29.00	737	17.75	451	8.88	226	19.25	489
H364NA,NAWK	F6	29.00	737	17.25	438	8.75	216	18.63	473
H364DF	E1	31.30	795	26.30	668	11.80	300	26.30	668
H364SS	F6	29.00	737	17.75	451	8.88	226	19.25	489
H365AWK, DS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H365NAWK, NDS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H366AWK, DS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H366NAWK, NDS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
H367AWK, NAWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H368AWK, NAWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
H461AWK	F6	20.50	521	14.75	375	6.80	173	16.13	410
H461DS	F6	20.82	529	15.08	383	6.97	177	16.85	428
H462AWK	F6	20.50	521	14.75	375	6.80	173	16.13	410
H462DS	F6	20.82	529	15.08	383	6.97	177	16.85	428
H463AWK	F6	20.50	521	14.75	375	6.80	173	16.13	410
H463 DS	F6	20.82	529	15.08	383	6.97	177	16.85	428
H464AWK	F6	29.00	737	23.25	591	8.75	222	24.88	632
H464DS	F6	29.00	737	23.75	603	8.88	226	25.25	641
H465AWK	E4	46.25	1175	32.50	826	10.13	259	32.50	826
H663AWK	F6	20.50	521	14.75	375	6.80	173	16.13	410
H663DS	F6	20.82	529	15.08	383	6.97	177	16.85	428
H664AWK	F6	29.00	737	23.25	591	8.75	222	24.88	632
H664DS	F6	29.00	737	23.75	603	8.88	226	25.25	641
HU265AWK, DS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
HU266AWK, DS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
HU267AWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
HU268AWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
HU361AWA	F7	16.50	419	9.00	229	7.00	178	10.50	267
HU361AWC	F7	16.50	419	9.00	229	7.00	178	10.50	267
HU361AWK, A	F6	14.60	371	6.63	168	4.96	125	7.55	192
HU361DS	F6	14.93	379	7.22	183	5.11	130	8.67	220
HU361DSWA	F7	16.87	428	8.92	227	5.11	130	10.81	275
HU361DSWC	F7	16.87	428	8.92	227	5.11	130	10.79	274
HU361DF	F1	16.50	419	11.00	279	8.80	224	11.00	279
HU361DX	F1	19.40	493	11.40	290	8.60	218	11.40	290
HU361SS	F6	14.93	379	7.22	183	5.11	130	8.67	220
HU362AWA	F7	16.50	419	9.00	229	7.00	178	10.50	267
HU362AWC	F7	16.50	419	9.00	229	7.00	178	10.50	267
HU362AWH	F6	16.50	419	9.00	229	7.00	178	10.50	267
HU362AWK, A	F6	16.50	419	9.00	229	7.00	178	10.50	267
HU362DS	F6	16.87	428	8.92	227	6.97	177	10.81	275
HU362DSWA	F7	16.87	428	8.92	227	5.11	130	10.81	275
HU362DSWC	F7	16.87	428	8.92	227	5.11	130	10.79	274
HU362DF	F1	16.50	419	11.00	279	8.80	224	11.00	279
HU362DX	F1	19.40	493	11.40	290	8.60	218	11.40	290
HU362SS	F6	16.87	428	8.92	227	6.97	177	10.81	275
HU363AWA	F7	20.50	521	9.00	229	7.00	178	10.50	267
HU363AWC	F7	20.50	521	9.00	229	7.00	178	10.50	267
HU363AWK, A	F6	20.50	521	9.00	229	7.00	178	10.50	267
HU363DS	F6	20.82	529	9.36	238	6.97	177	11.25	286
HU363DSWA	F7	20.82	529	9.36	238	6.97	177	11.25	286
HU363DSWC	F7	20.82	529	9.36	238	6.97	177	11.25	286
HU363DF	F1	24.80	630	13.70	348	12.00	305	13.70	348
HU363DX	F1	25.25	641	11.40	290	8.60	218	11.40	290
HU363SS	F6	20.82	529	9.36	238	6.97	177	11.25	286
HU364A,AWK	F6	29.00	737	17.25	438	8.75	216	18.63	473
HU364DF	E1	31.30	795	26.30	668	11.80	300	26.30	668
HU364DS	F6	29.00	737	17.75	451	8.88	226	19.25	489
HU364SS	F6	29.00	737	17.75	451	8.88	226	19.25	489
HU365AWK, DS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
HU366AWK, DS	E4	46.25	1175	26.25	667	10.13	259	26.25	667
HU367AWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
HU368AWK	E4	69.13	1756	36.62	930	17.75	451	36.62	930
HU461AWK	E1	16.63	422	9.88	251	6.13	156	11.00	279
HU461DS	F6	20.82	529	15.08	383	6.97	177	16.85	428
HU462AWK	F6	20.50	521	14.75	375	6.80	173	16.13	410
HU462DS	F6	20.82	529	15.08	383	6.97	177	16.85	428
HU463AWK	F6	20.50	521	14.75	375	6.80	173	16.13	410
HU463DS	F6	20.82	529	15.08	383	6.97	177	16.85	428
HU464AWK	F6	29.00	737	23.25	591	8.75	222	24.88	632
HU464DS	F6	29.00	737	23.75	603	8.88	226	25.25	641
HU465AWK	E4	46.25	1175	32.50	826	10.13	259	32.50	826
HU661AWK	F6	20.50	521	14.75	375	6.80	173	16.13	410
HU661DS	F6	20.82	529	15.08	383	6.97	177	16.85	428
HU662AWK	F6	20.50	521	14.75	375	6.80	173	16.13	410
HU662DS	F6	20.82	529	15.08	383	6.97	177	16.85	428
HU663AWK	F6	20.50	521	14.75	375	6.80	173	16.13	410
HU663DS	F6	20.82	529	15.08	383	6.97	177	16.85	428
HU664AWK	F6	29.00	737	23.25	591	8.75	222	24.88	632
HU664DS	F6	29.00	737	23.75	603	8.88	226	25.25	641

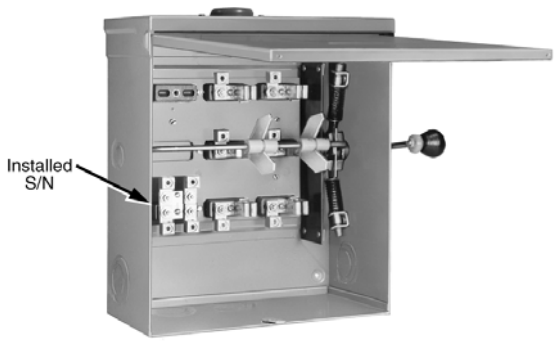
30–100 A Types DT, DTU (Series F)



30–100 A DT, DTU (Series F)
NEMA 1

- Fusible (DT) and non-fusible (DTU) switches available.
- Manually operated switch suitable for use in accordance with article 702 of the NEC, ANSI/NFPA 70
- Standards: U:L 98, NEMA KS1, CSA, and NOM
- Modular design—switch handle, lock-plate, switch mechanism; line and load bases are field replaceable
- UL Listed short circuit current ratings up to 200 kA (using Class R, J, or T fuses—see table for rating)
- Load make/break rated
- Meets NEMA hp ratings
- Dual cover interlock
- May be padlocked ON (I) or OFF (O)
- Lock-off accepts up to three padlocks
- Side-opening door
- Quick make / quick break mechanism
- Meets NEMA requirements as heavy duty switch
- Field-installable electrical interlock kits
- Field-installable neutral assembly kits (2P and 3P switches)
- UL Listed as suitable for use as service equipment
- Supplied as standard for switching one load between two power sources, and may be field-converted to switch on power source between two loads.

30 (Series T4), 200–600 A Types 82,000 and 200 A DTU (Series E, A)



DTU (Series E) 200 A
NEMA 3R

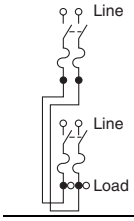
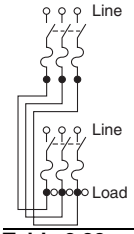
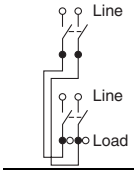
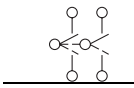
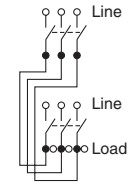
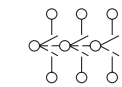
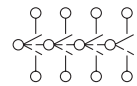
82,000 Line
NEMA 1

92251

- Non-fusible
- Designed for manual transfer of loads from one supply to another
- UL Listed switches are suitable for use in accordance with Arcticle 702 of the National Electrical Code, ANSI / NFPA 70.
- All 82,000 and DTU double throw switches are continuous dute rated for their nameplate ampere rating
- The 82,000 and DTU (Series E, A) switches are load make/break rated
- UL Listed as suitable for use as service equipment
- Horsepower rated only as footnoted.

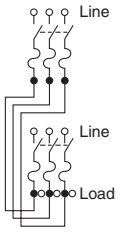
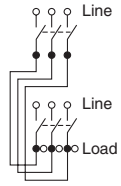
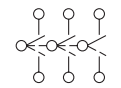
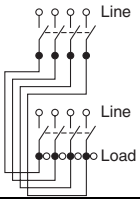
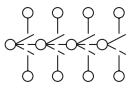
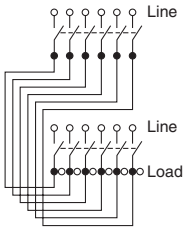
Field-Installable Accessories:

—Neutral
—Electrical Interlock
—Grounding Terminals

System	Rating (A)	Current Series	NEMA 1		NEMA 3R		NEMA 4,4X,5 304 Stainless Steel		NEMA 12 Gasketed		Horsepower Ratings ▲■ 240 Vac Std. 1Ø	240 Vac Std. 3Ø	240 Vac Max. 1Ø	240 Vac Max. 3Ø	250 Vdc♦
			Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price					
Table 3.37: Fusible—2P, 240 Vac—250 Vdc															
	100	F	DT223	**1586.00**	DT223RB	**2037.00**	—	—	—	—	7.5	15★	15	30 ★	20
3P, 240 Vac—250 Vdc															
	30	F	DT321	**1097.00**	DT321RB	**1477.00**	—	—	—	—	1.5 ▼	3★	3 ▼	7.5★	5
	60	F	DT322	**1313.00**	DT322RB	**1741.00**	—	—	—	—	3 ▼	7.5★	10 ▼	15 ★	10
	100	F	DT323	**2069.00**	DT323RB	**2483.00**	—	—	—	—	7.5 ▼	15★	15 ▼	30★	20
Table 3.38: Non-Fusible—2P, 240 Vac—250 Vdc															
	60	F	DTU222	**641.00**	—	—	—	—	—	—	—	—	10	—	10 △
	100	F	DTU223	**914.00**	DTU223RB	**898.00**	—	—	—	—	—	—	15	—	20 △
	30	T4	92251 □	**390.00**	—	—	—	—	—	—	—	—	—	—	—
	200	E	82254	**1210.00**	DTU224NRB □ ◊	**1451.00**	—	—	H82254	**3114.00**	15	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	15	—	—	—	—
	400	A	82255 □	**3900.00**	82255R □	**5810.00**	—	—	H82255 □	**6890.00**	—	—	—	—	—
3P, 240 Vac—250 Vdc															
	30	F	DTU321	**536.00**	—	—	—	—	—	—	—	3 ★	5 ▼	10 ★	5 △
	60	F	DTU322	**746.00**	—	—	—	—	—	—	—	—	10 ▼	15 ★	10 △
	100	F	DTU323	**1176.00**	DTU323RB	**1302.00**	—	—	—	—	—	—	15 ▼	30 ★	20 △
	30	T4	92351 □	**458.00**	—	—	—	—	—	—	—	—	—	—	—
	200	E	82354 □	**1709.00**	DTU324NRB □ ◊	**2003.00**	—	—	H82354 □ ☆	**3605.00**	—	15	—	—	—
	200	E	DTU324N □ ◊	**1865.00**	—	—	—	—	—	—	—	15	—	—	—
	400	A	82355 □	**5360.00**	82355R □	**8692.00**	—	—	H82355 □	**7810.00**	—	—	—	—	—
	600	A	DTU326	**8370.00**	DTU326R	**9260.00**	—	—	—	—	—	125	—	—	50
4P, 240 Vac															
	30	T4	92451 □	**635.00**	—	—	—	—	—	—	—	—	—	—	—
	200	E	82454 ◒	**3456.00**	82454R ◒	**5011.00**	—	—	H82454 ▽	**4519.00**	—	15 ▽	—	—	—
	400	A	82455	**7670.00**	82455R	**10800.00**	—	—	H82455	**10650.00**	—	—	—	—	—
	600	A	DTU426	**13570.00**	DTU426R	**13730.00**	—	—	—	—	—	125	—	—	50

▲ Refer to page 7-31 for additional motor application data. The starting current of motors or more than standard horsepower may require the use of fuses with appropriate time delay characteristics.
■ Std.—Using fast acting one time fuses. Max.—Using dual element time delay fuses.
♦ For switching dc, use two switching poles.
★ If used on corner grounded delta systems, install neutral and use outer switching pole for ungrounded conductors.
▼ Use outer switching poles.
△ Maximum rating.
□ 240 Vac only
◊ Neutral included with device.
☆ Suitable for use as service equipment.
▽ Hp rating applies only to H82454.
◒ 250 V dc rated.

Table 3.39: 600 V Double Throw Safety Switches

System	Rating (A)	Current Series	NEMA 1		NEMA 3R		NEMA 4,4X,5 304 Stainless Steel		NEMA 12 Gasketed		Horsepower Ratings ▲✪							
											240 Vac		480 Vac		600 Vac		Vdc■	
											std	max	std	max	std	max	250	600
			Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	Cat. No.	$ Price	3Ø	3Ø	3Ø ■	3Ø■	3Ø	3Ø		
Fusible 3P, 600 Vac—600 Vdc																		
	30	F	DT361	**1344.00**	DT361RB	**1785.00**	—	—	—	—	—	—	5	15	7.5	20	5	15
	60	F	DT362	**1407.00**	DT362RB	**2090.00**	—	—	—	—	—	—	15	30	15	50	—	30
	100	F	DT363	**2457.00**	DT363RB	**2951.00**	—	—	—	—	—	—	25	60	30	75	—	50
Non-Fusible 3P, 600 Vac—600 Vdc											1Ø ★	3Ø ■	1Ø ★	3Ø ■	1Ø ★	3Ø		
	30	F	DTU361	**586.00**	DTU361RB	**1029.00**	—	—	—	—	5	10	7.5	20	10	30	5	15
	60	F	DTU362	**836.00**	DTU362RB	**1363.00**	DTU362DS	**4204.00**	DTU362AWK ◪	**2423.00**	10	20▼	25	50 □	30	60 □	10	30
	100	F	DTU363	**1357.00**	DTU363RB	**2283.00**	DTU363DS	**6276.00**	DTU363AWK ◪	**2596.00**	20	40◊	40	75 ◊☆	40	75 ◊	20	50
	200	E	82344▽	**1855.00**	82344RB ▽	**3912.00**	82344DS▽‡	**7610.00**	H82344 ✱▽♦	**5002.00**	—	—	—	15 ◒	—	—	—	—
	400	A	82345 ◑	**5475.00**	82345R ♦	**8760.00**	82345DS ♦	**10450.00**	H82345 ◑	**8070.00**	—	—	—	—	—	—	—	—
	600	A	DTU366 ◑	**9260.00**	DTU366R ◑	**13200.00**	—	—	DTU366AWK◑	**14450.00**	—	125	—	250	—	350	50	—
Non-Fusible 4P, 600 Vac—600 Vdc											2Ø	3Ø	2Ø	3Ø	2Ø	3Ø		
	60	F	DTU462	**2023.00**	Use NEMA 12	—	DTU462DS	**4455.00**	DTU462AWK ◪	**2789.00**	20	20	40	50	50	60	10	30
	100	F	DTU463	**2567.00**		—	DTU463DS	**6652.00**	DTU463AWK ◪	**4082.00**	30	40	50	75	50	75	20	30
	200	E	82444 ◑	**4095.00**	82444R ◑	**5420.00**	82444DS ◑	**10070.00**	H82444 ✱▽	**4762.00**	—	—	—	—	—	—	—	—
	400	A	82445 ♦	**8385.00**	82445R ♦	**11200.00**	—	—	H82445 ♦	**11230.00**	—	—	—	—	—	—	—	—
	600	A	DTU466 ◑	**13570.00**	DTU466R ◑	**15650.00**	—	—	—	—	—	125	—	250	—	350	50	—
Non-Fusible 6P, 600 Vac—600 Vdc											1Ø	3Ø	1Ø	3Ø	1Ø	3Ø		
	60	F	—	—	—	—	—	—	DTU662AWK ◪	**5649.00**	—	20	—	50	—	60	10	30
	100	F	—	—	—	—	—	—	DTU663AWK ◪	**8490.00**	—	40	—	75	—	75	20	50

▲ Refer to page 7-31 for additional motor application data. The starting current of motors or more than standard horsepower may require the use of fuses with appropriate time delay characteristics.
■ If used on corner grounded delta systems, install neutral and use outer switching pole for ungrounded conductors.
♦ For switching dc, use two switching poles.
★ Use outer switching poles.
▼ Maximum Hp is 15 for corner grounded delta systems.
△ Maximum Hp is 30 for corner grounded delta systems.
□ Use 75°C #4 Cu or #2 Al conductors only.
◊ Use 75°C #1 Cu conductors only.
☆ Maximum Hp is 60 for corner grounded delta systems.
▽ 480 Vac maximum only, 250Vdc.
◒ Standard Hp rating.
✱ Not suitable for use as service equipment.
♦ 600 Vac max.
◑ 250 V dc rated.
✪ Std.—Using fast acting one time fuses. Max.—Using dual element time delay fuses.
(Non-fusible switches have max rating unless noted.)
◪ Complete rating on switch is NEMA 3R or 12.
For 3R applications, remove drain screw from bottom endwall.
♦ H82 ... and H92 ... devices are NEMA 12 only, intended for use indoors only.
‡ Not UL Listed.

Situations Requiring Fuses

30–100 A Type DT (Series F):

Select DT switches from pages 3-15, 3-16, which have provisions for accepting fuses.

30, 200–600 A Type 82,000 (Series E, T4, A), all DTU devices:

Use the non-fusible double throw switches from pages 3-15, 3-16 in conjunction with standard fused devices, and install them according to the diagram 1 or 2.

Table 3.40: UL Listed Short Circuit Current Ratings

Switch Type	Ampere Rating	Voltage Rating	UL Listed Fuse Class	Short Circuit Current Rating ▲ (A)
Type DT (Series F)	30–100 A	240 V or 600 V	H, K	10,000
			R, J	200,000
Type DTU ■ (Series F)	30–100 A	240 V or 600 V	H or K	10,000 ♦
			R, J or T	200,000
DTU224NRB and DTU324NRB (Series E)	200 A	240 V	H, K	10,000 ♦
DTU324N (Series E)	200 A	240 V	H, K	10,000 ♦
			R, J	100,000
Type 82,000	all	240 V	H, K	10,000 ♦
			R, J	100,000 ★
		600 V	H, K	10,000 ♦
Type DTU (A series)	600 A	240 V or 600 V	H, K	10,000
			R, J, T	100,000

▲ Rating applies to AC only. The UL Listed short circuit current rating for non-fusible switches is based on the switch being used in conjunction with the corresponding fuse type. Evaluation of non-fusible switches in conjunction with molded case circuit breakers has not been performed.

■ The DTU361 and DTU361RB are also suitable for use on a circuit capable of delivering not more than
(A) 18 kA, 600 Vac maximum when protected by Type FH circuit breaker rated 30 A maximum or
(B) 14 kA, 600 Vac maximum when protected by Type FA circuit breaker rated 30 A maximum.

♦ Any brand of circuit breaker or fuse not exceeding the ampere rating of the switch may be used ahead of a non-fused safety switch when there is up to 10 kA short circuit current available.

★ 400 A 82,000 switch is only 10 kA.

Table 3.41: Terminal Lug Data for Type DT, DTU (Series F) Double Throw Safety Switches

Switch	Wires per Phase	NEMA 1, 3R, 4, 4X, 12			Optional Copper Only Lug
		Wire Range Wire Bending Space Per NEC Table 373-6 AWG/kcmil	Standard Lug Wire Range AWG/kcmil	Optional Compression Lug Field-Installable	
30–60 A Type DT, DTU (Series F)	1	12–2 Al or 14–2 Cu	12–2 Al or 14–2 Cu	C10-14, D8-14, or E6-14 ▼	See pages 3-11 and 3-13 for appropriate kit. Order 2 kits per switch.
100 A Type DT, DTU (Series F)	1	12–1/0 Al or 14–1/0 Cu	12–1/0 Al or 14–1/0 Cu	VCEL02114S1 △	

▼ Thomas and Betts catalog numbers.
△ Versa-Crimp® catalog numbers.

Table 3.42: Terminal Lug Data for Types 82,000 and for A and E-Series DTU devices □

Switch	Wires per Phase	Wire Range Wire Bending Space Per NEC Table 373-6 AWG/kcmil	Lug Wire Range AWG/kcmil	Optional Compression Lugs Field-Installable
30 A (Series T4) ◊	1	14–8 Al/Cu	12–2 Al or 14–2 Cu	—
200	1	6–300 Al/Cu	6–300 Al/Cu	VCEL030516H1 ☆
400	1 or 2	1/0–600 Al/Cu or 1/0–300 Al/Cu	1/0–600 Al/Cu	—
600	2	250–500 Al/Cu	250–500 Al/Cu	—

□ 200–600 A switches suitable for 75°C conductors.
◊ 30 A switches suitable for 60°C or 75°C conductors.
☆ Versa-Crimp® catalog numbers.

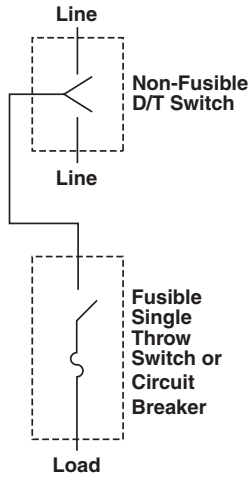


Diagram 1

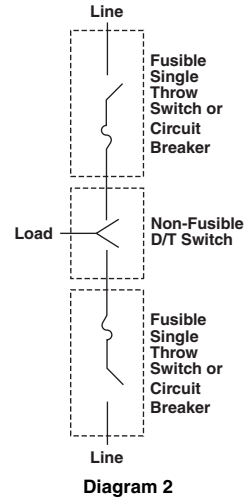
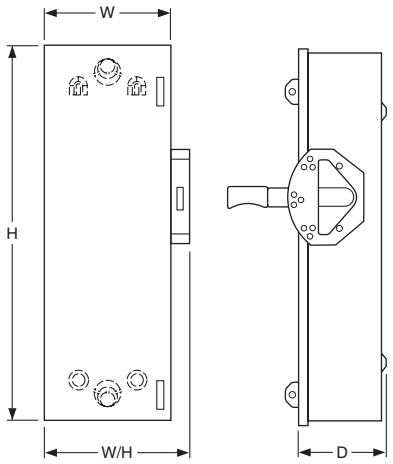
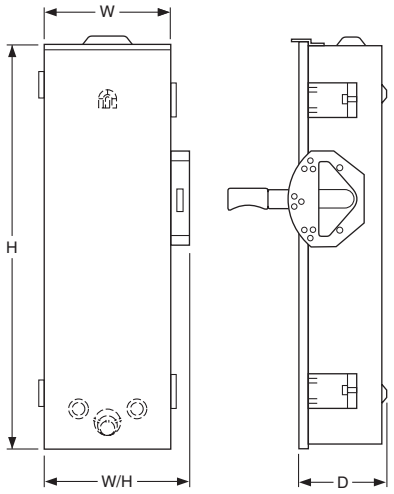


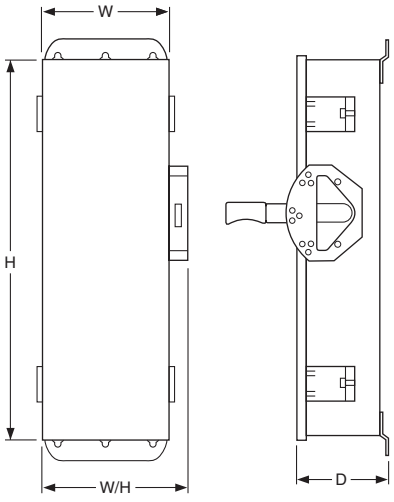
Diagram 2



NEMA 1



NEMA 3R



NEMA 4, 4X, 5 and 12

Table 3.43: 30–100 A Type DT, DTU (Series F)—Approximate Dimensions

Cat. No.	Series	H		W		W/H		D	
		in.	mm	in.	mm	in.	mm	in.	mm
DT223	F5	38.00	965	9.88	251	11.13	283	6.75	171
DT223RB	F5	38.00	965	6.87	174	8.12	206	6.60	168
DT321	F5	38.00	965	10.25	260	11.50	292	6.75	171
DT321RB	F5	38.00	965	10.25	260	11.80	300	6.60	168
DT322	F5	38.00	965	10.25	260	11.50	292	6.75	171
DT322RB	F5	38.00	965	10.25	260	11.80	300	6.60	168
DT323	F5	38.00	965	9.88	251	11.13	283	6.75	171
DT323RB	F5	38.00	965	6.87	174	8.12	206	6.60	168
DT361	F5	38.00	965	10.25	260	11.50	292	6.75	171
DT361RB	F5	38.00	965	10.25	260	11.80	300	6.60	168
DT362	F5	38.00	965	10.25	260	11.50	292	6.75	171
DT362RB	F5	38.00	965	10.25	260	11.80	300	6.60	168
DT363	F5	38.00	965	9.88	251	11.13	283	6.75	171
DT363RB	F5	38.00	965	6.87	174	8.12	206	6.60	168
DTU222	F5	29.94	760	10.25	260	11.96	304	6.93	176
DTU223	F5	29.94	760	10.25	260	11.96	304	6.93	176
DTU223RB	F5	30.50	775	10.25	260	11.96	304	6.93	176
DTU321	F5	29.94	760	10.25	260	11.96	304	6.93	176
DTU322	F5	29.94	760	10.25	260	11.96	304	6.93	176
DTU323	F5	29.94	760	10.25	260	11.96	304	6.93	176
DTU323RB	F5	30.50	775	10.25	260	11.96	304	6.93	176
DTU361	F5	29.94	760	10.25	260	11.96	304	6.93	176
DTU361RB	F5	30.50	775	10.25	260	11.96	304	6.93	176
DTU362	F5	29.94	760	10.25	260	11.96	304	6.93	176
DTU362AWK	F6	29.94	760	10.25	260	11.96	304	6.93	176
DTU362DS	F6	30.26	769	10.25	260	11.50	292	7.12	181
DTU362RB	F5	30.50	775	10.25	260	11.96	304	6.93	176
DTU363	F5	29.94	760	10.25	260	11.96	304	6.93	176
DTU363AWK	F6	29.94	760	10.25	260	11.96	304	6.93	176
DTU363DS	F6	30.26	769	10.25	260	11.50	292	7.12	181
DTU363RB	F5	30.50	775	10.25	260	11.96	304	6.93	176
DTU462	F5	29.94	760	10.25	260	11.96	304	6.93	176
DTU462AWK	F6	30.26	769	15.50	394	16.75	425	7.12	181
DTU462DS	F6	30.26	769	15.50	394	16.75	425	7.12	181
DTU463	F5	29.94	760	10.25	260	11.96	304	6.93	176
DTU463AWK	F6	30.26	769	15.50	394	16.75	425	7.12	181
DTU463DS	F6	30.26	769	15.50	394	16.75	425	7.12	181
DTU662AWK	F6	30.26	769	15.50	394	16.75	425	7.12	181
DTU663AWK	F6	30.26	769	15.50	394	16.75	425	7.12	181

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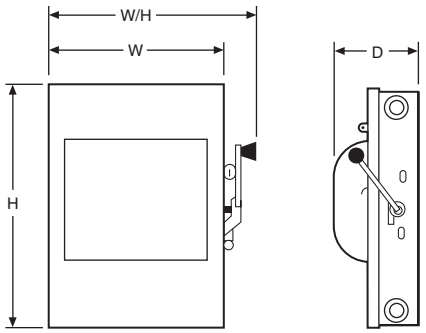
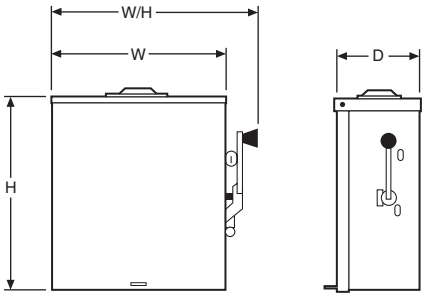


NEMA 1



DTU—200 A
NEMA 3R

Table 3.44: 30, 200–600 A Types 82,000 and E-Series DTU devices, NEMA 1 and 3R—Approximate Dimensions

Cat. No.	Series	H		W		W/H		D	
		in.	mm	in.	mm	in.	mm	in.	mm
DTU224NRB	E1	32.50	826	20.63	524	24.00	610	10.63	270
82254	E1	30.88	784	15.75	400	19.63	499	9.75	248
82254NW	E1	30.88	784	20.00	508	23.88	607	11.75	298
82344	E2	30.88	784	20.00	508	23.88	607	11.75	298
82344RB	E1	32.50	826	20.63	524	24.00	610	10.63	270
82354	E1	30.88	784	20.00	508	23.88	607	11.75	298
92251	T4	10.00	254	8.00	203	9.75	248	4.75	121
82344DS	E1	30.88	784	20.00	508	23.88	607	11.75	298
DTU324N	E1	32.50	826	24.50	622	26.25	667	10.63	270
DTU324NRB	E1	32.50	826	24.50	622	26.25	667	10.63	270
H82344	E2	32.50	826	24.50	622	26.25	667	10.63	270
H82444	E2	32.50	826	30.21	767	33.61	854	10.63	270
H82454	E3	32.50	826	30.21	767	33.61	854	10.63	270
82454	E3	38.00	965	29.62	753	33.02	839	10.63	270
82444	E3	38.00	965	29.62	753	33.02	839	10.63	270
82454R	E3	38.00	965	29.62	753	33.02	839	10.63	270
82444R	E3	38.00	965	29.62	753	33.02	839	10.63	270
H82254	E3	32.50	826	24.50	622	26.25	667	10.63	270
H82354	E3	32.50	826	24.50	622	26.25	667	10.63	270
82444DS	E3	38.00	965	29.62	753	33.02	839	10.63	270
82255	A1	38.50	978	26.10	663	29.51	750	10.63	270
82255R	A1	39.00	991	26.62	676	30.02	763	10.63	270
82345	A1	38.50	978	26.10	663	29.51	750	10.63	270
82345DS	A1	39.00	991	26.62	676	30.02	763	10.63	270
82345R	A1	39.00	991	26.62	676	30.02	763	10.63	270
82355	A1	38.50	978	26.10	663	29.51	750	10.63	270
82355R	A1	39.00	991	26.62	676	30.02	763	10.63	270
82445	A1	38.50	978	30.10	765	33.50	851	10.63	270
82445R	A1	39.00	991	30.21	767	33.61	854	10.63	270
82455	A1	38.50	978	30.10	765	33.50	851	10.63	270
82455R	A1	39.00	991	30.21	767	33.61	854	10.63	270
H82255	A1	39.00	991	26.62	676	30.02	763	10.63	270
H82345	A1	39.00	991	26.62	676	30.02	763	10.63	270
H82355	A1	39.00	991	26.62	676	30.02	763	10.63	270
H82445	A1	39.00	991	30.21	767	33.61	854	10.63	270
H82455	A1	39.00	991	30.21	767	33.61	854	10.63	270
DTU326	A1	63.31	1608	23.66	601	24.46	621	8.88	226
DTU426	A1	63.31	1608	27.00	686	27.80	706	8.88	226
DTU366	A1	63.31	1608	23.66	601	24.46	621	8.88	226
DTU466	A1	63.31	1608	27.00	686	27.80	706	8.88	226
DTU326R	A1	63.76	1619	23.66	601	24.46	621	8.88	226
DTU426R	A1	63.76	1619	27.00	686	27.80	706	8.88	226
DTU366R	A1	63.76	1619	23.66	601	24.46	621	8.88	226
DTU466R	A1	63.76	1619	27.00	686	27.80	706	8.88	226
DTU366AWK	A1	63.76	1619	23.66	601	24.46	621	8.88	226

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Table 3.45: Neutral Assembly

Switch	Field-Installed Standard Neutral Kit Cat. No.	Terminal Data AWG/kcmil	$ Price	Field-Installed Copper only Neutral Kit Cat. No.	Terminal Data AWG/kcmil	$ Price
30–100 A Type DT, DTU (Series F) (2- and 3-pole switches only)	SN0310	14–1/0 Al/Cu	**76.00**	SN0310C	14–1/0 Cu	**80.00**
30 A (Series T4) (2- and 3-pole switches only)	▲	▲	**605.00**	—	—	—
200 A Type 82000 and DTU (Series E) ■	▲	▲	**740.00**	—	—	—
400 A Type 82000	DT400N	(1) 4–600kcmil or (2) 1/0–250kcmil	**70.00**	—	—	—
600 A Type DTU (Series A)	DT600NKD	250–500kcmil	**301.00**	—	—	—

▲ For Type 82,000 switches, neutral is available factory-installed on 2P and 3P double throw switches. Not UL Listed. To order, add suffix N to the standard catalog number and add the above price to the list price of the switch. For DTU switches, neutral is factory-installed in standard device and is UL Listed.

■ Neutral assembly catalog number DT200N can be added to 4P Type 82000 switches in the field.

Table 3.46: Electrical Interlocks

Switch	Field-Installed Electrical Interlock Kit Cat. No. ♦	$ Price	Factory-Installed $ Price Adder Per Switch
30–100 A Type DT, DTU (Series F)	EIK1, EIK2 ★	**207.00**	**603.00▼**
200 A Type 82000 and DTU (Series E) △	□	—	**742.00▼**
400 A Type 82000	EK400DTU2	**173.00**	—
600 A Type DTU (Series A)	DS200EK2D	**292.00**	—

♦ Electrical interlock kit catalog numbers with "1" suffix indicate one normally open and normally closed contact; "2" indicates two normally open and two normally closed contacts. See page 3-9 for electrical interlock ratings.

★ 30–100 A Type DT, DTU (Series F) switches contain (2) separate switching mechanisms. Each mechanism will accept an electrical interlock. Some applications may therefore require (2) electrical interlocks.

▼ 30–100A Type DT, DTU (Series F) switches with factory-installed electrical interlocks installed are UL Listed and interlocks are furnished with 2 N.O. /2 N.C. contacts installed in both "ON" positions. To order, add suffix EI to standard catalog number.

△ Electrical interlock EK400DTU2 can be added to 4-pole Type 82000 switches in the field.

□ Type 82000 and DTU switches are available with electrical interlock factory-installed only. Not UL listed. Electrical interlocks are furnished with 2 N.O./N.C. contacts and are installed in both "ON" positions. To order, add suffix EI to standard switch catalog number.

Table 3.47: Service Grounding Kit (Required for service equipment use.)

Switch	Field-Installed Service Grounding Lug Kit Cat. No.	Terminal Data AWG/kcmil	$ Price
30–100 A Type DT, DTU (Series F)	Included	Included	**std.**
30 A Type 92,000	DT30SG	(4) 14–4 Cu/Al	**19.60**
200 A Type 82000 and DTU (Series E)	DT100SG	(3) 14–1/0 Cu/Al	**20.00**
400 A Type 82000	PKOGTA2 (2 required)	(4) 10–2/0 Cu or (4) 6–2/0 Al	**36.80**
600 A Type 82000 (Series A)	DS468GKD	6–250kcmil	**206.00**

Table 3.48: Class R Fuse Kits

When installed, this kit rejects all but Class R fuses. Kits are available for field installation.
For factory installation, add "CLR" suffix to catalog number.

Switch	Series Number	Class R Fuse Kit Cat. No.	$ Price	Factory-Installed $ Price
Class R Fuse Kits—240 V (two kits per 3P switch)				
30 A	F5	RFK03	**16.30**	**260.00**
60 A	F5	RFK06	**17.00**	**260.00**
100 A	F5	RFK10	**31.80**	**260.00**
Class R Fuse Kits—600 V (two kits per 3P switch)				
30 A	F5	RFK06	**17.00**	**260.00**
60 A	F5	RFK06H	**17.00**	**260.00**
100 A	F5	RFK10	**31.80**	**260.00**

Key Interlock Systems

For factory-installed key interlocks, refer to page 3-11.

Phenolic Legend Plate

For factory-installed phenolic legend plates, refer to page 3-10.

Lock-On Provisions—UL Listed

30–100 A type DT, DTU (Series F) and type 92,000 included on standard device.

Type 82,000 and 200 A DTU (Series E) available factory-installed. Add SPLO to catalog number and add **$273.** to list price.

"RB Hub"

Table 3.49: Rainproof Bolt-On Hubs—For Use On NEMA 3R Enclosures

Conduit Size	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	Closing Cap
Hub Cat. No.	B075	B100	B125	B150	B200	B250	B300	B350	B400	BCAP
$ Price Each◊	**22.20**	**22.20**	**22.20**	**22.20**	**40.90**	**68.00**	**124.00**	**200.00**	**245.00**	**2.50**

Note: NEMA 3R rainproof enclosures with catalog number ending in RB have a bolt-on closing cap factory-installed. Order bolt-on hubs separately from table above. For more details see page 1-13. Hubs through size 2-1/2 in. can be directly installed on RB devices. Devices requiring 3 in. or larger hubs must have holes cut in the field. Gaskets are provided on 3 in. and larger hubs.

Note: All hubs are UL Listed for indoor and rainproof applications and suitable for use with conduit having ANSI standard taper pipe thread.

◊ See Discount Schedule.

Table 3.50: Watertight Hubs—For Use On NEMA 4, 4X and 5 Stainless Steel and NEMA 12 Enclosures

Conduit Trade Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
Standard-Zinc Hub Cat. No.	H050	H075	H100	H125	H150	H200	H250	H300	H350	H400
Zinc $ Price Each	**20.70**	**30.00**	**31.40**	**36.00**	**55.00**	**80.00**	**92.00**	**118.00**	**188.00**	**254.00**
Chrome Plated Hub Cat. No.	H050CP	H075CP	H100CP	H125CP	H150CP	H200CP	—	—	—	—
Chrome Plated $ Price Each	**27.10**	**37.60**	**42.90**	**44.60**	**64.00**	**91.00**	—	—	—	—

The MD50 Motor Disconnect Switch's IEC309-2 pin and sleeve technology merged with a durable mechanical interlock features provide safe, quick and reliable mating of mobile and fixed motors to power connections. The mechanical interlock prevents the making or breaking under load of plug connected equipment. The plug must be inserted before the power can be turned "ON". The plug can not be removed until the power is turned "OFF". Grounding and conduit Hub included.

Table 3.51: Non-Fusible

System	Amperes	Voltage	NEMA 4X and 12		Use With Plug		Horse Power Rating	Phase	Wire Size
			Cat No.	$ Price	Cat. No.	$ Price			
2-Pole 3-Wires	30	125	MD330MI4	**823.86**	ME330P4W	**142.79**	2	1	12–8
		250	MD330MI6	**832.86**	ME330P6W	**142.79**	5	1	12–8
	60	250	MD360MI6	**1091.69**	ME360P6W	**234.71**	10	1	6–2
3-Pole 4-Wires	20	250	MD420MI9	**787.50**	ME420P9W	**108.17**	7.5	3	12–8
		480	MD420MI7	**787.50**	ME420P7W	**108.17**	15	3	12–8
	30	250	MD430MI9	**762.14**	ME430P9W	**157.21**	10	3	12–8
		480	MD430MI7	**762.14**	ME430P7W	**157.21**	20	3	12–8
		600	MD430MI5	**889.97**	ME430P5W	**157.21**	20	3	12–8
	60	250	MD460MI9	**1040.45**	ME460P9W	**229.33**	20	3	6–2
		480	MD460MI7	**1040.45**	ME460P7W	**229.33**	40	3	6–2
		600	MD460MI5	**1307.06**	ME460P5W	**229.33**	50	3	6–2
	100	125/250	MD4100MI12	**1181.88**	ME4100P12	**310.10**	125 V 5, 250 V 15	1	6–1/0
		240	MD4100MI9	**1415.05**	ME4100P9	**310.10**	25	3	6–1/0
		480	MD4100MI7	**1273.79**	ME4100P7	**310.10**	50	3	6–1/0
		600	MD4100MI5	**1415.05**	ME4100P5	**310.10**	50	3	6–1/0
4-Pole 5-Wires	30	Y120/208	MD530MI9	**821.85**	ME530P9W	**194.71**	7.5	3	12–8
		Y277/480	MD530MI7	**887.59**	ME530P7W	**194.71**	20	3	12–8
		Y347/600	MD530MI5	**887.59**	ME530P5W	**194.71**	20	3	12–8
	60	Y120/208	MD560MI9	**1084.91**	ME560P9W	**272.60**	20	3	6–2
		Y277/480	MD560MI7	**1139.16**	ME560P7W	**272.60**	40	3	6–2
		Y347/600	MD560MI5	**1301.90**	ME560P5W	**272.60**	50	3	6–2
	100	Y120/208	MD5100MI9	**1415.05**	ME5100P9	**373.56**	25	3	6–1/0
		Y277/480	MD5100MI7	**1415.05**	ME5100P7	**373.56**	50	3	6–1/0
		Y347/600	MD5100MI5	**1415.05**	ME5100P5	**373.56**	50	3	6–1/0

NOTE: *Auxiliary Contact's ordering information;*
20 and 30 Amps non-fused, ME2030AUX
60 A and 100 Amps non-fused, ME80AUX, ME20

Table 3.52: Fusible▲

System	Amperes	Voltage	NEMA 4X and 12		Use With Plug		Horse Power Rating	Horse Power Rating Max.	Phase	Wire Size
			Cat. No.	$ Price	Cat. No.	$ Price				
3-Pole 4-Wires	30	250	MD430MIF9	**1087.54**	ME430P9W	**157.21**	3	7.5	3	18–8
		480	MD430MIF7	**1368.77**	ME430P7W	**157.21**	5	15	3	18–8
		600	MD430MIF5	**1196.12**	ME430P5W	**157.21**	7.5	20	3	18–8
	60	250	MD460MIF9	**1342.07**	ME460P9W	**229.33**	7.5	15	3	14–4
		480	MD460MIF7	**1419.09**	ME460P7W	**229.33**	15	30	3	14–4
		600	MD460MIF5	**1415.05**	ME460P5W	**229.33**	15	30	3	14–4

▲ UL98 Listed.

NOTE: *Auxiliary Contact's ordering information;*
30 Amps fused, ME30FDAUX
60 Amps fused, ME60FDAUX

Type J Fuses