Enclosed Safety Switches

Catalog
3100CT0901
2009
Class 3100

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SQUARE D
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NOTE: For information on **Replacement Parts** with specific part numbers, go to www.schneider-electric.us, click on Product FAQ's, enter the device catalog number, click SEARCH, then look for the information required.

Catalog Number Description

Number Segment	Character	Description	D	3	2	1	N	RB	—
Type of Switch	Fusible	L=Light duty							
		D=General duty							
		H=Heavy duty							
		DT=Double throw							
	Non-Fusible	DU=General duty							
		HU=Heavy duty							
		DTU=Double throw							
Blades–Switchable Poles	1	1 pole							
	2	2 poles							
	3	3 poles							
	4	4 poles							
	6	6 poles							
Voltage Rating[1]	1	120 Vac (plug fuse)							
	2	240 Vac							
	6	600 Vac							
Ampere Rating	1	30 A							
	2	60 A							
	3	100 A							
	4	200 A							
	5	400 A							
	6	600 A							
	7	800 A							
	8	1200 A							
Neutral	N	Factory-installed neutral (neutrals are field-installed on most general duty, heavy duty, and double throw safety switches).							
Enclosure	No suffix	NEMA Type 1							
	A	NEMA Type 12K							
	AWK	NEMA Type 12 (without K.O.)							
	DF	NEMA Type 4X Fiberglass reinforced polyester							
	DS	NEMA Types 4, 4X, and 5 (Type 304 stainless steel)							
	DX	NEMA Type 4X Krydon®							
	R	NEMA Type 3R							
	RB	NEMA Type 3R (bolt-on hub provision)							
	SS	NEMA Types 4, 4X, and 5 (Type 316 stainless steel)							
Factory Modifications	CLR	Class R fuse kit							
	EI or EI2	Electrical interlock kit							
	GL	Equipment ground lugs							
	GLC	Equipment ground lug, copper only							
	KI, KI2 or KIKI	1 or 2 Key interlocks							
	LK	Compression lugs (800 and 1200 A only)							
	NP	Phenolic legend plate							
	PB	Push buttons, pilot lights, selector switches. Customer must provide catalog number of control device to be installed							
	SLC	Copper lugs (30–600 A)							
	SP	Special paint colors							
	SPLO	Lock-on provision							
	VW	Viewing window							
	WA	Appleton interlocked receptacle							
	WC	Crouse-Hinds Arktite® interlocked receptacle							
	WH	Hubbellock™ interlocked receptacle							

[1] For dc ratings, see the latest catalog listing.

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General Duty Safety Switches

Product Description

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

General duty safety switches are UL® Listed, File E2875, and meet or exceed the NEMA® Standard KS1. The switches are also available with CSA® rating.

Configuration

- Two fusible switched poles with insulated, grounded neutral
- Three fusible, switched poles with insulated, grounded neutral
- Two or three, not fusible, switched poles without insulated, grounded neutral

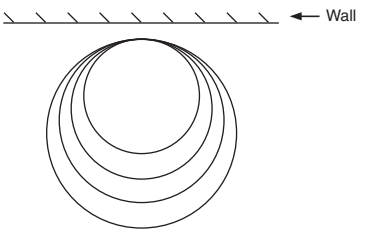
Construction

Visible Blade Construction

- Indoor NEMA Type 1 or Outdoor NEMA Type 3R enclosures
- Visible blades for positive indication that the switch is “OFF”
- Quick-make, quick-break operating mechanism
- Lugs suitable for aluminum or copper conductors. See page 8 for additional lug data
- Spring reinforced, plated copper fuse clips

Operating Mechanism with Line Base Series F

- Series F handle/lock-plate is a field-replaceable modular design
- Series F operating mechanism is an enclosed, field-replaceable, modular design
- Series F NEMA Type 3R covers have side opening construction
- Top endwalls in 30–200 A NEMA Type 3R switches have bolt-on hub provisions
- Multiple padlock provisions in “OFF” position
- Tangential combination knockouts alleviate the need for offset bends



Tangential Knockouts

Enclosures

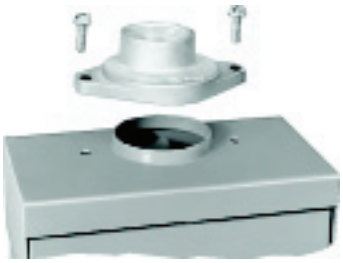
Enclosures are finished in gray, baked enamel that is electrodeposited on cleaned, phosphatized steel.

- NEMA Type 1 general purpose, indoor
- NEMA Type 3R general purpose, outdoor

Accessories

Rainproof Hubs

Bolt-on hubs for rainproof applications. Switches with RB suffix accept 3/4 through 2-1/2 inch bolt-on hubs. Switches with R suffix have blank endwalls.



RB Hub

Class R Fuse Kits

- For systems up to 100,000 rms symmetrical amperes
- See page 9 for selection

Class R Fuse Kits Series F

Fuse Puller Kit Series F

Fuse Puller Kits

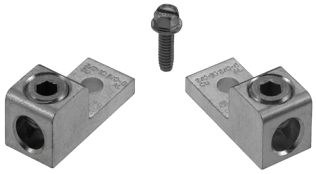
Kit consists of three fuse pullers as required for a 3-pole fusible 60 A or 100 A general duty switch. Kits can be installed into 60 or 100 A Series F switches.

Table 1: Fuse Puller Kits

Switch Ampere Rating	Series Number	Fuse Puller Kit Catalog Number
60	F	FPK03
100	F	FPK0610

30 and 60 A

100 A



200 A

Grounding Kits

Equipment Grounding Kits

- Aluminum or copper conductors
- Field-installed

Table 2: Equipment Grounding Kits

Switch Ampere Rating	Catalog Number	Equipment Grounding Kit Catalog Number
30, Series E 60	PK3GTA1	(2) 12 Cu or (2) 10 Al or (1) 4 Al/Cu Max.
Series F 60	GTK03	(2) 12 Cu or (2) 10 Al or (1) 4 Al/Cu Max.
100	GTK0610	(2) 1/0 Al/Cu Max.
200	PK0GTA2	(2) 2/0 Al/Cu Max.
400, 600	PK0GTA2 (Two required)	(2) 2/0 Al/Cu Max. Per Lug
800	PK0GTA3	(6) 3/0 Al/Cu Max.

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: Electrical Interlock Kits

Switch Ampere Rating	Electrical Interlock Kit Catalog Number [1]
Fusible Series F 60	EIK031 or EIK032
Series F 100–200	EIK-1 or EIK-2

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

Table 4: Electrical Interlock Contact Ratings [1]

Interlock Type	AC 50 or 60 Hz				DC		
	Volts	Make	Break	Cont.	Volts	Make / Break	Cont.
1 N. O. / 1 N. C. Contact (-1 Suffix [2])	120	40.00 A	15.00 A	15.00 A	115	0.50 A	15.00 A
	240	20.00 A	10.00 A	15.00 A	230	0.25 A	15.00 A
	480	10.00 A	6.00 A	15.00 A	—	—	—
	600	8.00 A	5.00 A	15.00 A	600	0.05 A	15.00 A
2 N. O. / 2 N. C. Contacts (-2 Suffix [3])	120	30.00 A	3.00 A	10.00 A	115	1.00 A	10.00 A
	240	15.00 A	1.50 A	10.00 A	230	0.30 A	10.00 A
	480	7.50 A	0.75 A	10.00 A	—	—	—
	600	6.00 A	0.60 A	10.00 A	600	0.10 A	10.00 A

[1] Single-pole single-throw interlock kits are rated 1/2 hp at 110 and 220 Vac.

[2] -1 Suffix uses a 9007A01 limit switch.

[3] -2 Suffix uses a 9007C03 limit switch.

Optional Field-Installed Lug Kit

Kit consists of three line, three load, and two neutral lugs as required for a 3-pole 400 A or 600 A general duty switch. Kit can be installed on 400 A or 600 A Series E3 switches only.

Field-Installed Lug Kit for 400 and 600 A Devices

Table 5: Field-Installed Lug Kit

Switch Ampere Rating	Lug Kit Catalog Number	Wire Range/NEC®	Lug Wire Range
400 or 600 Series E3 [1]	GD4060LK	1-1/0-600 kcmil 2-1/0-500 kcmil 4-1/0-250 kcmil	2-1/0-600 kcmil 4-1/0-250 kcmil

[1] Not suitable for use on 400 A NEMA Type 3R.

Class J Fuse Kit

The Class J Fuse Kit consists of three Class J fuse adapters as required for a three-pole fusible 600 A general duty switch. Kit can be installed in 600 A Series E3 switches only (NEMA Type 1).

Table 6: Class J Fuse Kit

Switch Ampere Rating	Class J Kit Cat. No.
600 A Series E3	GDJK600

Application

General duty safety switches are designed for the following applications:

- Residential and light commercial applications
- Infrequent or moderate operations
- 240 Vac maximum
- Up to 100,000 rms symmetrical amperes, using appropriately rated Class R fuses and Class R Fuse Kits, or Class T or J fuses
- 30—800 A
- Horsepower rated
- Load-make, load-break rated for the switch current rating.

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

- Light duty—visible blades 10,000 A short circuit current rating
- 30 A fusible and non-fusible, 240 Vac
- Replacement parts not available
- Available with plug or cartridge fuse holders

L211N

NOTE: Switch is load make/break.

Standards

General duty safety switches are manufactured in accordance with these standards:

- UL 98, Standard for Enclosed and Dead Front Switches. UL Listed under File E2875
- NEMA Standards Publication KS1, Enclosed Switches
- Federal Specifications WS-865c for Type NDS (NEMA Type 1) and Type LD (NEMA Type 3R)

UL/CSA Listed Short Circuit Current Rating (RMS Symmetrical)

Switch Type	Fuse Class	Short Circuit Rating
Fusible	Plug	10 kA
	H	10 kA
	J	100 kA
	R	100 kA
	T	100 kA
Non-Fusible [1]	H	10 kA
	J	100 kA
	R	100 kA [2]
	T	100 kA

[1] The UL Listed short-circuit current rating for Square D® general duty non-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 Classes H and K fuses—10 kA, Classes J and R fuses—100 kA. Consult the wiring diagram of the switch to verify the UL Listed short circuit current rating.

[2] 50 kA for 60 A non-fusible switch.

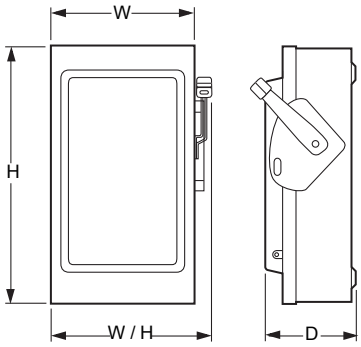
Table 7: Terminal Lug Data[1]

Ampere Rating	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 Type1	1 or 2	1/0–600 (Al/Cu) or 1/0–300 (Al/Cu)	(1) 1–750 (Al/Cu) or (2) 1/0–300 (Al/Cu)
400 NEMA Type 3	2	1/0–250 (Al/Cu)	(1) 1/0–600 (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)

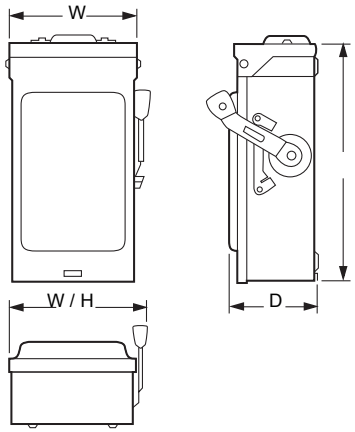
[1] 30–100 A switches suitable for 60°C or 75°C conductors. 200–800 A switches suitable for 75°C conductors.

Catalog Number	Series	Class R Fuse Kits Available for Field-Installation[1]	Horsepower Ratings					
			120 Vac		240 Vac		240 Vac	
			Std.	Max.	Std.		Max.	
		Catalog Number	1Ø	1Ø	1Ø	3Ø	1Ø	3Ø
L111N L211N L221N	E2	N/A	1/2	2 2 [2] 2 [2]	— 1-1/2 [2] 1-1/2 [2]	—	3 3 [3] 3 [3]	—
D211N D211NRB	E3 E2	N/A	1/2	2	1-1/2	—	3	—
D221N D221NRB	E3	DRK30	—	—	1-1/2 1-1/2	3 [3] 3 [3]	3 3	7-1/2 [3] 7-1/2 [3]
D222N D222NRB	F1	RFK03L	1-1/2	3	3	7-1/2 [3]	10	15 [3]
D223N D223NRB	F3	RFK10	—	7-1/2	7-1/2	15 [3]	15	30 [3]
D224N [4] D224NRB [4]	F1	HRK1020	—	15	15	25 [3]	—	60 [3]
D225N	E3	DRK40	—	—	—	—	—	—
D225NR	E1		—	—	—	—	—	—
D226N	E3	DRK600	—	—	—	—	—	—
D226NR	E1	DRK600	—	—	—	—	—	—
D321N D321NRB	E3	DRK30	—	—	1-1/2	3	3	7-1/2
D322N D322NRB	F1	RFK03L	1-1/2	3	3	7-1/2	10	15
D323N	F3	RFK10	—	—	7-1/2	15	15	30
D323NRB			—	—	7-1/2	15	15	30
D324N [4]	F1	HRK1020	—	—	15	25	—	60 [2]
D324NRB [4]			—	—	15	25	—	60 [2]
D325N	E3	DRK40	—	—	—	50	—	125
D325NT		—	—	—	—	50	—	—
DRK325NR	E1	DRK40	—	—	—	50	—	125
DRK325NTR		—	—	—	—	50	—	—
D326N	E3	DRK600	—	—	—	75	—	150
D326NT		—	—	—	—	75	—	—
D326NR	E1	DRK600	—	—	—	75	—	150
D326NTR		—	—	—	—	75	—	—
DU221RB [3]	E2	—	—	—	—	—	10	15
DU222RB [5]	E1	—	—	—	—	—	10	15
DU323 [4] DU323RB [4]	F3	—	—	—	—	—	15	30
DU324 [4] DU324RB [4]	F1	—	—	—	—	—	25	60
DU325 [4]	E3	—	—	—	—	—	—	125
DU326 [4]		—	—	—	—	—	—	150
QO200TR [6 7 8] QO260NATS [7 9] QO2000NRB QO2000NS	G3 E2 E1 E1	— — — —	— — — —	— — — —	— — — —	— — — —	10 10 20 20	— — — —
T327N T327NR	E1	— —	— —	— —	— —	100 —	— —	— 100

1 Rejection kits are available for Series D2, E1, E2, and F1 switches. 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 100,000 RMS symmetrical amperes available fault current.
2 For corner grounded delta systems only, use switching poles for ungrounded conductors.
3 Suitable for use as service equipment; requires field installation of a service grounding kit (see Digest 175, page 3-5). Solid neutral assembly for Series F is SN20A for the DU324 or DU324RB.
4 For 200% neutral, order (1) additional neutral kit SN20A and (1) neutral jumper kit SN20NI.
5 Suitable for use as service equipment; requires field installation of solid neutral assembly D600SN.
6 Includes factory-installed neutral.
7 Includes factory-installed grounding kit.
8 Not service entrance rated.
9 Enclosed molded case switch.



Typical NEMA Type 1



Typical NEMA Type 3R

Table 8: Switch Dimensions

Catalog Number	Series	H		W		W/H		D	
		in.	mm	in.	mm	in.	mm	in.	mm
L111N [1]	E2	7.63	194	5.00	127	6.13	156	4.00	102
L211N [1]	E2	7.63	194	5.00	127	6.13	156	4.00	102
L221N [1]	E2	7.63	194	5.00	127	6.13	156	4.00	102
D211N [1]	E3	9.25	235	6.75	171	7.25	184	3.63	92
D211NRB [1]	E2	9.63	245	7.25	184	7.75	197	3.75	95
D221N [1]	E3	9.25	235	6.75	171	7.25	184	3.63	92
D221NRB [1]	E3	9.63	245	7.25	184	7.75	197	3.75	95
D222N	F1	14.60	371	6.51	165	7.45	189	4.87	124
D222NRB	F1	14.88	378	6.63	168	7.45	189	4.87	124
D223N	F3	17.50	445	8.50	216	10.50	267	6.50	165
D223NRB	F3	17.50	445	8.50	216	10.50	267	6.50	165
D224N	F1	29.00	737	17.25	438	19.00	483	8.25	210
D224NRB	F1	29.25	743	17.25	438	19.00	483	8.25	210
D225N	E3	45.12	1146	24.00	610	24.88	632	8.88	226
D225NR	E3	30.63	778	21.38	543	22.25	565	10.13	257
D226N [1]	E3	49.13	1248	24.00	610	24.88	632	8.88	226
D226NR [1]	E3	49.13	1248	24.75	629	25.13	638	8.88	226
D321N [1]	E3	9.25	235	6.75	171	7.25	184	3.63	92
D321NRB [1]	E3	9.63	245	7.25	184	7.75	197	3.75	95
D322N	F1	14.60	371	6.51	165	7.45	189	4.87	124
D322NRB	F1	14.88	378	6.63	168	7.45	189	4.87	124
D323N	F3	17.50	445	8.50	216	10.50	267	6.50	165
D323NRB	F3	17.50	445	8.50	216	10.50	267	6.50	165
D324N	F1	29.00	737	17.25	438	19.00	483	8.25	210
D324NRB	F1	29.25	743	17.25	438	19.00	483	8.25	210
D325N [1]	E3	45.12	1146	24.00	610	24.88	632	8.88	226
D325NT [1]	E3	45.12	1146	24.00	610	24.88	632	8.88	226
D325NR	E1	30.63	778	21.38	543	22.25	565	10.13	257
D325NTR	E1	30.63	778	21.38	543	22.25	565	10.13	257
D326N [1]	E3	49.13	1248	24.00	610	24.88	632	8.88	226
D326NT [1]	E3	49.13	1248	24.00	610	24.88	632	8.88	226
D326NR	E1	49.13	1248	24.75	629	25.13	638	8.88	226
D326NTR	E1	49.13	1248	24.75	629	25.13	638	8.88	226
DU221RB [1]	E2	9.63	245	7.25	184	7.75	197	3.75	95
DU222RB [1]	E1	9.63	245	7.25	184	7.75	197	3.75	95
DU321 [1]	E2	9.25	235	6.75	171	7.25	184	3.63	92
DU321RB [1]	E2	9.63	245	7.25	184	7.75	197	3.75	95
DU322 [1]	E1	9.25	235	6.75	171	7.25	184	3.63	92
DU322RB [1]	E1	9.63	245	7.25	184	7.75	197	3.75	95
DU323	F1	17.50	445	8.50	216	10.50	267	6.50	165
DU323RB	F1	17.50	445	8.50	216	10.50	267	6.50	165
DU324	F1	29.00	737	17.25	438	19.00	483	8.25	210
DU324RB	F1	29.25	743	17.25	438	19.00	483	8.25	210
DU325 [1]	E3	45.12	1146	24.00	610	24.88	632	8.88	226
DU326 [1]	E3	49.13	1248	24.00	610	24.88	632	8.88	226
QO200TR [1]	G3	6.50	165	4.63	118	—	—	3.88	99
QO260NATS	E2	9.25	235	4.88	124	—	—	3.25	83
QO2000NRB	E1	14.00	356	7.75	197	—	—	4.50	114
QO2000NS [1]	E1	13.38	340	6.13	156	—	—	3.50	89
T327N [1]	E1	49.13	1248	24.00	610	24.88	632	8.88	226
T327NR [1]	E1	49.13	1248	24.75	629	25.13	638	8.88	226

[1] Does not have a cover draw as indicated in above drawing.

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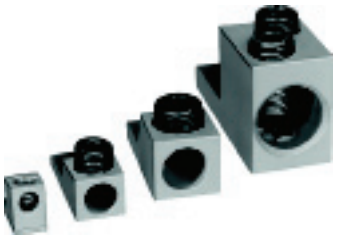
Series F

Visible Blades



Mechanical Lugs

Product Description

The Square D® brand Heavy Duty Safety Switch is designed to be tough, reliable and provide exceptional performance in the most grueling conditions; from commercial and institutional to industrial and manufacturing facilities. Square D F Series safety switches provide significantly higher levels of mechanical endurance than NEMA KS-1 requires. The design life of a Square D F-Series switch is a minimum of three times the NEMA requirement.

An abundance of copper is used in the heaviest current carrying power paths of all Square D Heavy Duty Safety Switches. The more copper for current carrying paths, the lower the temperature rise. Managing temperatures inside the switch is the key to providing greater service life.

All heavy duty safety switches feature a quick-make, quick-break operating mechanism, a dual cover interlock and a color-coded indicator handle.

Configuration

- Two or three fusible switched poles with or without insulated, solid grounded neutral
- Four or six fusible switched poles without insulated, solid grounded neutral
- Two, three, four or six non-fusible, switched poles without insulated, solid grounded neutral
- Three fusible switched poles without insulated solid grounded neutral interlocked to Appleton®, Crouse-Hinds®, or Hubbellock™ receptacle
- Three non-fusible switched poles without insulated solid grounded neutral interlocked to Appleton, Crouse-Hinds, or Hubbellock receptacle

Construction

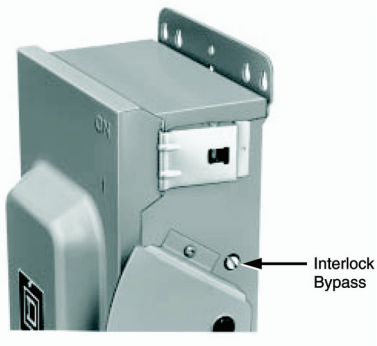
- Visible blades for positive blade position indication
- Optional viewing window allows visual verification of blade position without opening door; not available on NEMA Type 4X fiberglass reinforced polyester or Krydon® enclosures or NEMA Type 7 or 9 enclosures
- Red and black handle indication for switch position
- Series F handle, mechanism, and lock plate are field replaceable
- Series F Type 3R devices have side-opening covers
- Highly visible embossed ON-OFF marking
- Quick-make, quick-break, spring-driven operating mechanism
- Front removable mechanical lugs. Refer to page 28 for further lug data
  - — Standard lugs accommodate aluminum or copper cable termination
  - — Optional lugs accommodate copper only cable termination

NEMA Type 1

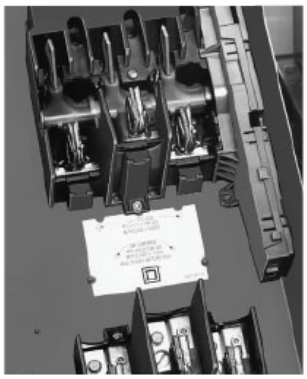
NEMA Type 3R

NEMA Types 4, 4X, and 5 Stainless Steel

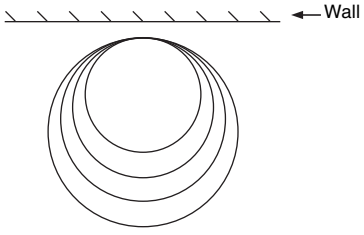
NEMA Type 12



Fuse Pullers



Class J Fuse Provisions
Alternate mounting holes make for easy conversion to Class J fuses.



Tangential Knockouts

- Dual cover interlock keeps the cover closed when switch is ON. When the cover is open, it interlocks the switch OFF, unless the interlock is bypassed.
- Factory-installed fuse pullers on 30–100 A NEMA Types 4, 4X, and 5 stainless steel, NEMA Type 4X fiberglass reinforced polyester, Krydon and NEMA Types 12 or 12K switches. Available for field installation on 30–100 A F Series switches, NEMA Types 1 and 3R switches.
- Class J fuse provisions on 30 A–600 A, 600 V switches and 100–600 A, 240 V switches. 600 A devices require a mounting kit (catalog number H600J).
- 30–600 A switches are shipped with standard Class H fuse spacing. These switches will accept Class R fuses also. A field-installable rejection kit is available, which, when installed, rejects all but Class R fuses. See pages 23 through 26 for Class R fuse kits.
- Multiple padlock provision in OFF position (three padlocks).
- Lock-on provisions for factory or field modification.
- Tangential combination knockouts lessen the need for conduit offset bends.

Lock-off Provision with Optional Lock-off Guard Kit Installed

Enclosures

- NEMA Type 1 general purpose, indoor
- NEMA Type 3R rainproof, outdoor
- NEMA Types 4, 4X, 5 indoor or outdoor, watertight, dust-tight, and corrosion-resistant (Types 304 and 316 stainless steel)
- NEMA Type 4X indoor or outdoor, watertight and dust-tight, and corrosion-resistant (fiberglass reinforced polyester)
- NEMA Types 7 and 9 hazardous locations:
  - — Class I, Groups C and D
  - — Class II, Groups E, F and G
  - — Class III
- NEMA Types 12 and12K indoor, dust-tight, and drip-proof
  NEMA Type 12 has no knockouts (suitable for outdoor use)
  NEMA Type 12K provided with knockouts

H362AWA Interlocked Receptacle Switch with Appleton Powertite Receptacle

H362AWC Interlocked Receptacle Switch with Crouse-Hinds Arktite Receptacle

H362AWH Interlocked Receptacle Switch with Hubbellock Receptacle

Receptacle Switches

Interlocked receptacle switches are furnished with a factory-installed three-phase four-wire Appleton Powertite®, Crouse-Hinds Style 2 Arktite®, or Hubbellock™ receptacle. The fourth wire is connected to the switch equipment grounding terminal and is not a solid neutral termination. Interlocking linkage between the receptacle and switch mechanism prevents insertion or removal of the plug while the switch is in the “ON” position, or insertion of any plug other than specified. The interlocking mechanism also prevents the switch from being turned “ON” if a plug has not been fully inserted into the receptacle.

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
- 60 A, H362AWA and HU362AWA are stock items. All other items are non-stock and require an 8-week lead time
- Short circuit rating: 10 kA when used with or protected by Class H or K fuses; 200 kA when used in conjunction with Class R, T, or J fuses

Crouse-Hinds Arktite® Receptacle

- Devices are UL Listed and suitable for use as service equipment
- 60 A, H362AWC and HU362AWC are stock items. All other items are non-stock and require a 12-week lead time
- Short circuit rating: 10,000 A when used with or protected by Class H or K fuses; 200,000 A when used in conjunction with Class R, T or J fuses

Hubbellock™ Receptacle

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

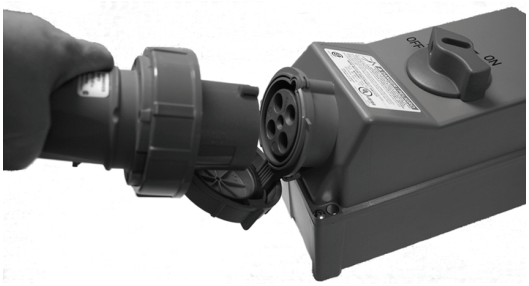
Motor Disconnect Switches

Square D®, a brand of Schneider Electric®, brings to the market a comprehensive offering of Motor Disconnect switches listed UL508 "Suitable as Motor Disconnect". The MD50 IEC60309 mechanical interlock receptacle switches address fixed and flexible process requirements.

MD50

The MD50 motor disconnect is a pin and sleeve interlocked switch receptacle listed UL 508 "Suitable As Motor Disconnect" in one compact Type 4X enclosure. It is offered in 20, 30, 60, and 100 A units compatible with IEC60309-2 plug configurations.

The MD50 UL 508 switch with receptacle interlock allows motor driven equipment and motors to be moved into and out of a given space when necessary. Plus, a key safety feature is that the interlock switch design requires an operator to turn off the load before removing the machine plug from the receptacle.



Compliances

- UL Listed 98 File Number E2875 and E317818
- UL Listed 508–Industrial Control Equipment
- UL Listed 1682 and 1686–Plugs and Receptacles, Pin and Sleeve Type
- CSA Certified 22.2 No. 4-M91 File Number E243232
- IEC 60309-1; IEC 60309-2
- Enclosure: plastic Types 4X and 12
- UL 94 – 5 V Flame Rating
- UV Stabilized Material
- IP66

Applications

Heavy duty safety switches are designed for the following applications:

- Commercial and industrial installations
- Up to 600 Vac or 600 V dc maximum
- Up to 200,000 rms symmetrical amperes short circuit current
- 30—1200 A
- Horsepower ratings
- Load-make, load-break rated for the switch current rating
- Two or three fusible switched poles with or without insulated, grounded neutral
- Four or six fusible switched poles, neutral not available
- Two or three non-fusible, switched poles with or without insulated, grounded neutral
- Four non-fusible switched poles, neutral not available
- Six non-fusible switched poles, neutral not available
- Tested and approved for seismic applications

Standards

Heavy duty safety switches are manufactured in accordance with these standards:

- UL98, Standard for Enclosed and Dead Front Switches. UL Listed under File E2875, or E154828
- NEMA Standards Publication KS1, Enclosed Switches
- Federal Specifications WS-865c for Type HD

General dc and Photovoltaic Systems

NOTE: Heavy duty safety switches may be used on photovoltaic systems with a grounded feed. Refer to Figures 1B, 1D, 1F and 2 (negative grounding shown; positive grounded systems are similarly allowed). For ungrounded systems, see National Electrical Code® (NEC®) 690.35 (NEC 2008, NFPA 70).

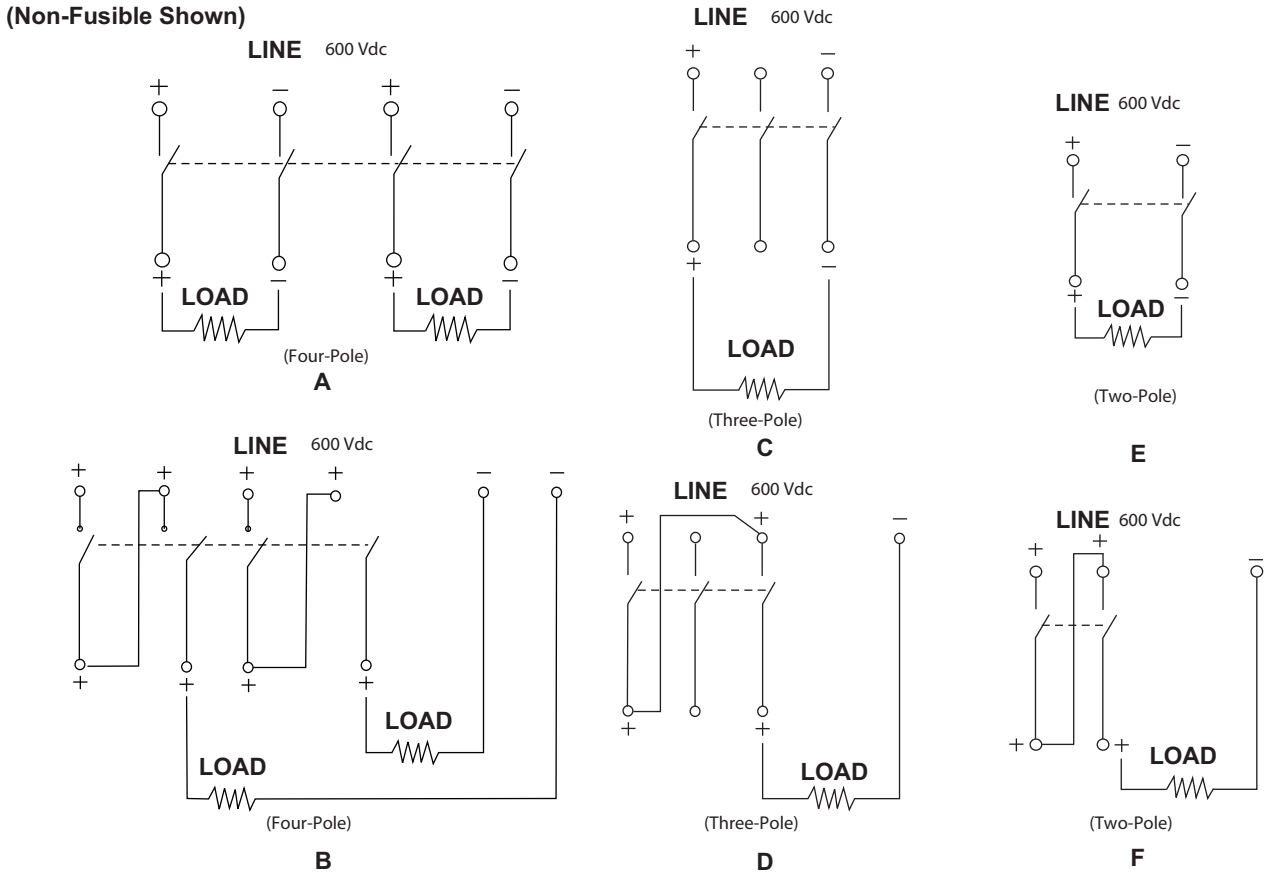
As a market leader and innovator in photovoltaic (PV) applications, we are proud to announce a catalog section dedicated to dc and PV safety switch applications. This section focuses on the Square D® brand UL approved Heavy Duty Safety Switch dc and PV wiring schemes. Additionally a UL witnessed and Square D self-certified PV wiring option is presented. This additional unlisted option provides a robust, cost effective option for PV systems.

All heavy duty safety switches with dc ratings (2-, 3- and 4-pole fusible and non-fusible) are Underwriters Laboratories (UL) Listed and CSA Certified for use on dc applications when wired as shown in Figure 1 (A, B, C, D, E, and F). UL Listed, CSA Certified (Files E2875 and E154282). Additionally:

- Heavy duty safety switches are rated for 600 Vdc maximum open circuit voltage.
- Non-fusible safety switches may carry 100 percent of the nameplate current rating.
- Fusible safety switches may carry 80 percent of nameplate current rating (continuous use).
- Heavy duty switches are dc horsepower rated as indicated on the safety switch wiring diagram.
- Heavy duty switches have a 10,000 ampere dc short-circuit rating at 600 Vdc unless otherwise stated on the switch wiring diagram. Consult factory for short circuit current ratings at 250 Vdc.
- Refer to current Square D Digest for lug wire range of heavy duty switches.

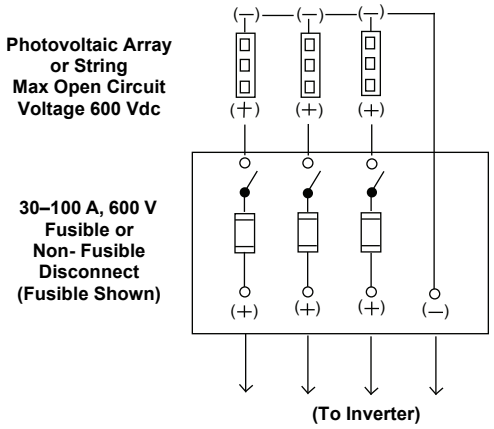
Figure 1: General dc and Photovoltaic Systems, Fusible and Non-Fusible Wiring Diagram

(Non-Fusible Shown)



Alternate Photovoltaic System Wiring, Evaluated and Self-Certified by Schneider Electric (Not UL Listed)

Figure 2: Grounded Feed per NEC Article 690



- Connect negative photovoltaic line (-) to case inside inverter for negative grounded system.
- Positive grounded systems are similarly allowed.
- For ungrounded systems, see NEC 690.35 (NEC2008, NFPA70).

Current Ratings

Switch Nameplate 600 V	Switch dc Rating per Pole [1]	Photovoltaic Maximum Circuit Current [2]	Photovoltaic Short-Circuit Current (I_{sc})
30 A	20 A	16 A dc per pole	12.8 A (20/1.56)
60 A	60 A	48 A dc per pole	38 A (60/1.56)
100 A	100 A	80 A dc per pole	64 A (100/1.56)

1 The switch per pole rating must be at least the photovoltaic maximum circuit current multiplied by 125%.

2 From NEC 2008 and NFPA 70, Article 690.8: the photovoltaic maximum circuit current is I_{sc} multiplied by 125%.

- If a non-fusible disconnect is used, the inverter must not be capable of backfeeding currents into a short circuit or fault in the photovoltaic array or string.
- One inverter may be connected to each pole of the switch.
- Refer to current Square D Digest for lug wire range of heavy duty switches.

Special Applications

- Rainproof Bolt-On Hubs
- Electrical Interlock Kits
  - — Available factory- or field-installed
  - — Pivot arm operates from switch mechanism, breaking the control circuit before the main switch blades break
  - — Switches with electrical interlocks installed are UL Listed
- Watertight Hubs
- Class R Fuse Kits
- 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
  - — Allows for replacement of fuses without removing barrier

  NOTE: Barrier can also be used with a skirt kit to enclose a panel mounted Type 9422 disconnect.
- Key Interlock Systems
  - — Factory-installed only
  - — Interlocks are used to prevent the authorized operator from making an unauthorized operation
  - — Not available on hazardous location devices (NEMA Types 7 or 9) or fiberglass reinforced polyester (NEMA Type 4X)
  - — UL Listed
- Lock-On Provisions
  - — Provision for one 3/8 in. hasp padlock is available factory-installed on NEMA Types 1, 3R, 4, 4X and 5 stainless steel and 12 switches
  - — This modification will allow the switch to be locked in the “ON” position
  - — UL Listed
- Special Paint
  - — Available painted with special safety colors: safety red, safety orange, safety yellow, safety green, safety blue, safety purple, black or white
  - — All colors comply with OSHA Standard 1910.144 and ANSI Specification Z535.1 for marking physical hazards
- Phenolic Legend Plate
  - — Available engraved and mounted on all heavy duty safety switches, except NEMA Types 7 and 9
  - — Legend engraved in 1/4 in. high white letters on black background
  - — Customer must provide legend
  - — UL Listed

Accessories

Square D brand heavy duty safety switches manufactured by Schneider Electric are UL Listed for use with the following accessories:

Hubs

Bolt-On Hubs

Bolt-on hubs for rainproof applications. Switches with RB suffix accept 3/4 in. through 2-1/2 in. bolt-on hubs. Switches with R suffix have blank top endwalls.

Table 9: Rainproof Bolt-On Hubs—For Use on NEMA Type 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. Number	B075	B100	B125	B150	B200	B250	B300	B350	B400	BCAP

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

Watertight Hubs

Watertight hubs are zinc or chrome plated for field-installation on NEMA Types 3R, 4, 4X, 5, and 12 stainless steel switches and Type 12 enclosures.

Table 10: Watertight Hubs

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. Number	H050	H075	H100	H125	H150	H200	H250	H300	H350	H400
Chrome Plated Hub Cat. Number	H050CP	H075CP	H100CP	H125CP	H150CP	H200CP	—	—	—	—

Class R Fuse Kits

Class R Fuse Kits

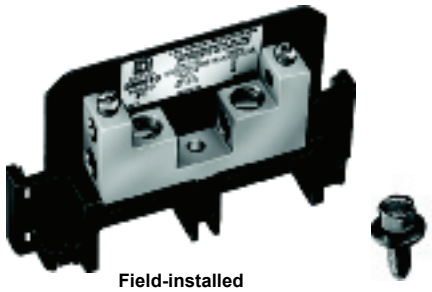
For systems up to 200,000 rms symmetrical amperes provide rejection for all other fuse types. See pages 23 through 27 for catalog numbers.

Solid Neutral Assemblies

Factory or field-installed insulated, grounded solid neutral assemblies. See pages 23 through 26 for catalog numbers.

Equipment Grounding Kits

Equipment grounding kits available for factory- or field-installation. See pages 23 through 26 for catalog numbers.



Field-installed
Insulated, Grounded Neutral

Field-installed
Equipment Grounding Kit

Electrical Interlock Kits

Electrical interlocks for heavy duty safety switches through 1200 A are available factory installed or in kit form for field installation. A pivot arm operates from the switch mechanism, breaking the control circuit before the main switch blades break. Switches with electrical interlock accessories installed are UL Listed. See pages 23 through 26 for catalog numbers.

Table 11: Electrical Interlock Contact Ratings [1]

Interlock Type	ac 50 or 60 Hz				dc		
	Volts	Make	Break	Cont.	Volts	Make and Break	Cont.
1 N.O./ 1 N.C Contact (-1 Suffix)	120	40.0 A	15.0 A	15.0 A	115	0.50 A	15.0 A
	240	20.0 A	10.0 A	15.0 A	230	0.25 A	15.0 A
	480	10.0 A	6.0 A	15.0 A	—	—	—
	600	8.0 A	5.0 A	15.0 A	600	0.05 A	15.0 A
2 N.O./ 2 N.C Contact (-2 Suffix)	120	30.0 A	3.0 A	10.0 A	115	1.00 A	10.0 A
	240	15.0 A	1.5 A	10.0 A	230	0.30 A	10.0 A
	480	7.5 A	0.75 A	10.0 A	—	—	—
	600	6.0 A	0.60 A	10.0 A	600	0.10 A	10.0 A

[1] Single-pole single-throw interlock kits are rated 1/2 hp at 110 and 220 Vac.

-1 Suffix uses a 9007A01 limit switch.

-2 Suffix uses a 9007C03 limit switch.

Fuse Puller Kits

Kit consists of three fuse pullers as required for a three-pole fusible 240 V or 600 V heavy duty switch. Kits can be installed in switches manufactured after February, 1980. Fuse pullers are supplied as standard equipment on NEMA Types 12 and 12K; NEMA Types 4, 4X, 5 stainless steel; NEMA Type 4X fiberglass reinforced polyester, and Krydon® switches through 100 A. See pages 23 through 26 for catalog numbers.

Optional Compression Lugs

Refer to page 28 for applicable options.

Key Interlock System

Key Interlock System

Interlocks are used to prevent the authorized operator from making an unauthorized operation. 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.

They are not available on hazardous location devices (NEMA Types 7 or 9) or fiberglass reinforced polyester (NEMA Type 4X).

Use these suffixes on switch catalog numbers:

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

NOTE: Factory-installed only on heavy duty safety switches.

Lock-Off Guard Shown

Internal Barrier

Lock-Off Guard

Available field-installed only, the lock-off guard works by covering the lockout/tagout opening whenever the switch is in the ON position. This prevents a padlock from being inadvertently inserted into the switch lockplate. The device is designed to help prevent accidental misapplication of a lockout device. These kits are marked cURus (UL Component Recognized) for field-installation.

Table 12: Lock-Off Guard Applications

Switch Rating	Kit Catalog Number
30 A	LOGK1
60 A 240 V	
60 A 600 V	LOGK2
100 and 200 A	

Internal Barrier Kits

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.

Table 13: Internal Barrier Kits

Catalog Number	Description	Safety Switch Application (F Series Only)	9422 Type T Disconnect Application
SS03	Interior Barrier for 30 A Safety Switch[1]	240 / 600 Vac – 30 A	NA
		240 Vac – 60 A	
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
SS10	Interior Barrier for 100 A Safety Switch or 100 A 9422 Switch	240 / 600 Vac – 100 A	600 Vac – 100 A
SS20	Interior Barrier for 200 A Safety Switch	240 / 600 Vac – 200 A	NA
SS0306SK	Skirt Kit to Enclose 30 or 60 A 9422 Switch (requires SS06)	NA	600 Vac – 30 A
			600 Vac – 60 A
SS10SK	Skirt Kit to Enclose 100 A 9422 Switch (requires SS10)	NA	600 Vac – 100 A

[1] Requires arc shield on 240 V switches be changed to 600 V arc suppressor.

Table 14: Accessories for Current Series Heavy Duty Safety Switches

Catalog Number	Series	Electrical Interlock (1 Contact)	Electrical Interlocks (2 Contacts)	Class R Kits	Solid Neutral (Al/Cu)	Solid Neutral (Cu Only)	Grounding Kit (Al)	Grounding Kit (Cu)	Fuse Puller	Receptacle Plugs
H100XFA	E1	N/A	N/A	N/A	100SN	N/A	Std.	Std.	N/A	N/A
H221A	F6	EIK031	EIK032	RFK03L	SN03	SN03C	GTK03	GTK03C	Std.	N/A
H221AWK	F6	EIK031	EIK032	RFK03L	SN03	SN03C	GTK03	GTK03C	Std.	N/A
H221DS	F6	EK3001	EK3002	HRK30	H60SN	H60SNC	PK3GTA1	PKO6GTC1	Std.	N/A
H221N	F5	EIK031	EIK032	RFK03L	Std.	SN03C	GTK03	GTK03C	FPK03	N/A
H221NRB	F5	EIK031	EIK032	RFK03L	Std.	SN03C	GTK03	GTK03C	FPK03	N/A
H222A	F6	EIK031	EIK032	RFK03L	SN03	SN03C	GTK03	GTK03C	Std.	N/A
H222AWK	F6	EIK031	EIK032	RFK03L	SN03	SN03C	GTK03	GTK03C	Std.	N/A
H222DS	F6	EIK3061	EIK3062	HRK60	H60SN	H60SNC	PK3GTA1	PKOGTC1	Std.	N/A
H222N	F5	EIK031	EIK032	RFK03L	Std.	SN03C	GTK03	GTK03C	FPK03	N/A
H222NRB	F5	EIK031	EIK032	RFK03L	Std.	SN03C	GTK03	GTK03C	FPK03	N/A
H223A	F6	EIK1	EIK2	RFK10	SN0610	SN0610C	GTK0610	GTK0610C	Std.	N/A
H223AWK	F6	EIK1	EIK2	RFK10	SN0610	SN0610C	GTK0610	GTK0610C	Std.	N/A
H223DS	F6	EIK10201	EIK10202	HRK1020	H100SN	H100SNC	PKOGTA2	PKOGTA2	Std.	N/A
H223N	F5	EIK1	EIK2	RFK10	Std.	SN0610C	GTK0610	GTK0610C	FPK0610	N/A
H223NRB	F5	EIK1	EIK2	RFK10	Std.	SN0610C	GTK0610	GTK0610C	FPK0610	N/A
H224A	F6	EIK10201	EIK10202	HRK1020	H200SN	H200SNC	PKOGTA2	PKOGTC2	N/A	N/A
H224AWK	F6	EIK10201	EIK10202	HRK1020	H200SN	H200SNC	PKOGTA2	PKOGTC3	N/A	N/A
H224DS	F6	EIK10201	EIK10202	HRK1020	H200SN	H200SNC	PKOGTA2	PKOGTC3	N/A	N/A
H224N	F5	EIK10201	EIK10202	HRK1020	Std.	H200SNC	PKOGTA2	PKOGTC3	N/A	N/A
H224NRB	F5	EIK10201	EIK10202	HRK1020	Std.	H200SNC	PKOGTA2	PKOGTC3	N/A	N/A
H225	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC2	N/A	N/A
H225AWK	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC2	N/A	N/A
H225DS	E2	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H225N	E4	EIK40601	EIK40602	HRK4060	Std.	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H225NAWK	E4	EIK40601	EIK40602	HRK4060	H600SN	Std.	PKOGTA2	N/A	N/A	N/A
H225NDS	E4	EIK40601	EIK40602	HRK4060	H600SN	Std.	PKOGTA2	PKOGTC3	N/A	N/A
H225NR	E4	EIK40601	EIK40602	HRK4060	Std.	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H225R	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H225XKA	C2	N/A	N/A	N/A	225SNA	N/A	Std.	PKOGTC3	N/A	N/A
H226	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H226AWK	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H226DS	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H226N	E4	EIK40601	EIK40602	HRK4060	Std.	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H226AWK	E4	EIK40601	EIK40602	HRK4060	H600SN	N/A	PKOGTA2	N/A	N/A	N/A
H226NDS	E4	EIK40601	EIK40602	HRK4060	H600SN	N/A	PKOGTA2	N/A	N/A	N/A
H226NR	E4	EIK40601	EIK40602	HRK4060	Std.	H600SNC	PKOGTA2	N/A	N/A	N/A
H226R	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	N/A	N/A	N/A
H227	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H227AWK	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H227N	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA7	N/A	N/A	N/A
H227NAWK	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA7	N/A	N/A	N/A
H227NR	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA7	N/A	N/A	N/A
H227R	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H228	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA8	N/A	N/A	N/A
H228AWK	E4	EIK40601	EIK40602	N/A	H1200SNE4	Std.	PKOGTA8	N/A	N/A	N/A
H228N	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA8	N/A	N/A	N/A
H228NAWK	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA8	N/A	N/A	N/A
H228NR	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA8	N/A	N/A	N/A
H228R	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA8	N/A	N/A	N/A
H265	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H265AWK	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H265DS	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H265R	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H266	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H266A	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H266AWK	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H266DS	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H266R	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H267	E4	EIK40601	EIK40602	Std.	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H267AWK	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H267NAWK	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H267R	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA7	N/A	N/A	N/A
H268	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H268AWK	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H268NAWK	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA7	N/A	N/A	N/A
H268R	E4	EIK40601	EIK40602	N/A	H1200NE4	N/A	PKOGTA7	N/A	N/A	N/A
H321A	F6	EIK031	EIK032	RFK03L	SN03	SN03C	GTK03	GTK03C	Std.	N/A
H321AWK	F6	EIK031	EIK032	RFK03L	SN03	SN03C	GTK03	GTK03C	Std.	N/A
H321DS	F6	EIK3001	EIK3002	HRK30	H60SN	H60SNC	PK3GTA1	PKOGTC1	Std.	N/A
H321N	F5	EIK031	EIK032	RFK03L	Std.	SN03C	GTK03	GTK03C	FPK03	N/A
H321NRB	F5	EIK031	EIK032	RFK03L	Std.	SN03C	GTK03	GTK03C	FPK03	N/A

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Table 14: Accessories for Current Series Heavy Duty Safety Switches

Catalog Number	Series	Electrical Interlock (1 Contact)	Electrical Interlocks (2 Contacts)	Class R Kits	Solid Neutral (Al/Cu)	Solid Neutral (Cu Only)	Grounding Kit (Al)	Grounding Kit (Cu)	Fuse Puller	Receptacle Plugs
H322A	F6	EIK031	EIK032	RFK03L	SN03	SN03C	GTK03	Std.	Std.	N/A
H322AWK	F6	EIK031	EIK032	RFK03L	SN03	SN03C	GTK03	GTK03C	Std.	N/A
H322DS	F6	EK3061	EIK3062	HRK30	H60SN	H360SNC	PK3GTA1	GTK03C	Std.	N/A
H322N	F5	EIK031	EK032	RFK03L	Std.	SN03C	GTK03	PKO6GTC1	FPK03	N/A
H322NRB	F5	EIK031	EIK032	RFK03L	Std.	SN03C	GTK03	GTK03C	FPK03	N/A
H323A	F6	EIK1	EIK2	RFK10	SN0610	SN0610C	GTK0610	GTK0610C	Std.	N/A
H323AWK	F6	EIK1	EIK2	RFK10	SN0610	SN0610C	GTK0610	GTK0610C	Std.	N/A
H323DS	F6	EK10201	EIK10202	HRK1020	H100SN	H100SNC	PKOGTA2	PKOGTC2	Std.	N/A
H323N	F5	EIK1	EIK2	RFK10	Std.	SN0610C	GTK0610	GTK0610C	FPK0610	N/A
H323NRB	F5	EIK1	EIK2	RFK10	Std.	SN0610C	GTK0610	GTK0610C	FPK0610	N/A
H324A	F6	EK10201	EIK10202	HRK1020	H200SN	H200SNC	PKOGTA2	PKOGTC2	N/A	N/A
H324AWK	F6	EK10201	EIK10202	HRK1020	H200SN	H200SNC	PKOGTA2	PKOGTC2	N/A	N/A
H324DS	F6	EK10201	EIK10202	HRK1020	H200SN	H200SNC	PKOGTA2	PKOGTC2	N/A	N/A
H324N	F5	EK10201	EIK10202	HRK1020	Std.	H200SNC	PKOGTA2	PKOGTA2	N/A	N/A
H324NRB	F5	EK10201	EIK10202	HRK1020	Std.	H200SNC	PKOGTA2	PKOGTC2	N/A	N/A
H325	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H325AWK	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H325DS	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H325N	E4	EIK40601	EIK40602	HRK4060	Std.	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H325NAWK	E4	EIK40601	EIK40602	HRK4060	H600SN	Std.	PKOGTA2	PKOGTC3	N/A	N/A
H325NDS	E4	EIK40601	EIK40602	HRK4060	H600SN	Std.	PKOGTA2	PKOGTC3	N/A	N/A
H325NR	E4	EIK40601	EIK40602	HRK4060	Std.	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H325R	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H326	E1	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H326AWK	E2	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H326DS	E2	EIK40601	EIK40602	HRK4060	Std.	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H326N	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H326NAWK	E4	EIK40601	EIK40602	HRK4060	H600SN	Std.	PKOGTA2	PKOGTC3	N/A	N/A
H326NDS	E4	EIK40601	EIK40602	HRK4060	H600SN	Std.	PKOGTA2	PKOGTC3	N/A	N/A
H326NR	E4	EIK40601	EIK40602	HRK4060	Std.	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H326R	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H327	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H327AWK	E4	EIK40601	EIK40602	HRK4060	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H327N	E4	EIK40601	EIK40602	HRK4060	Std.	N/A	PKOGTA7	N/A	N/A	N/A
H327NAWK	E4	EIK40601	EIK40602	HRK4060	Std.	N/A	PKOGTA7	N/A	N/A	N/A
H327NR	E4	EIK40601	EIK40602	HRK4060	Std.	N/A	PKOGTA7	N/A	N/A	N/A
H327R	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H328	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA8	N/A	N/A	N/A
H328AWK	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA8	N/A	N/A	N/A
H328N	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA8	N/A	N/A	N/A
H328NAWK	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA8	N/A	N/A	N/A
H328NR	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA8	N/A	N/A	N/A
H328R	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA8	N/A	N/A	N/A
H361	F5	EIK031	EIK032	RFK060	SN03	SN03C	GTK03	GTK03C	FPK03	N/A
H361-2A	F6	EIK1	EIK2	RFK06	SN0610	SN0610C	GTK0610	GTK0610C	Std.	N/A
H361-2AWK	F6	EIK1	EIK2	RFK06	SN0610	SN0610C.	GTK0610	GTK0610C	Std.	N/A
H361A	F6	EIK031	EIK032	RFK03H	SN03	SN03C	GTK03	GTK03C	Std.	N/A
H361AWA	F7	EIK1	EIK2	RFK06	N/A	N/A	N/A	Std.	Std.	ACP3034BC
H361AWC	F7	EIK1	EIK2	RFK06	N/A	N/A	N/A	Std.	Std.	APJ3485
H361AWK	F6	EIK031	EIK032	RFK03H	SN03	H03C	GTK03	GTK03C	Std.	N/A
H361DF	F1	9999TC10	9999TC20	RKF06	H60SN	H60SNC	Std.	N/A	N/A	N/A
H361DS	F6	EK3001	EIK032	HRK30H	H60SN	H60SNC	PK3GTA1	PKOGTC1	N/A	N/A
H361DSWC	F7	EK3001	EIK032	HRK30H	N/A	N/A	N/A	Std.	Std.	APJ3485
H361DSWA	F7	K3001	EIK032	HRK30H	N/A	N/A	N/A	Std.	Std.	ACP3034BC
H361DX	F1	9999TC10	EIK2	RFK06	H60SN	H60SNC	Std.	N/A	Std.	N/A
H361N	F5	EIK031	EIK2	RFK03H	Std.	SN03C	GTK03	GTK03C	FPK03	N/A
H361NRB	F5	EIK031	EIK032	RFK03H	Std.	SN03C	GTK03	GTK03C	FPK03	N/A
H361RB	F5	EIK031	EIK0322	RFK03H	SN03	SN03C	GTK03	GTK03C	FPK03	N/A
H361WA	F6	EIK1	EIK2	RFK06	N/A	N/A	Std.	N/A	FPK0610	ACP3034BC
H361WC	F6	EIK1	EIK2	RFK06	SN0610	SN0610C	Std.	N/A	FPK0610	APJ3485
H362	F5	EIK1	EIK2	RFK06H	SN0610	SN0610C	GTK0610	GTK0610C	FPK0610	N/A
H362A	F6	EIK1	EIK2	RFK06H	SN0610	SN0610C	GTK0610	GTK0610C	Std.	N/A
H362AWA	F5	EIK1	EIK2	RFK06H	SN0610	SN0610C	GTK0610	GTK0610C	Std.	ACP6034BC
H362AWC	F5	EIK1	EIK2	RFK06H	SN0610	SN0610C	GTK0610	GTK0610C	Std.	APJ6485
H362AWH	F5	EIK1	EIK2	RFK06H	SN0610	SN0610C	GTK0610	GTK0610C	Std.	SD12781
H362AWK	F6	EIK1	EIK2	RFK06H	SN0610	SN0610C	GTK0610	GTK0610C	Std.	N/A
H362DF	F1	9999TC10	9999TC20	RFK06H	H60SN	H60SNC	Std.	N/A	Std.	N/A
H362DS	F6	EK3061	EK3062	HRK60H	H60SN	H60SNC	PK3GTA1	PKOGTC1	Std.	N/A
H362DSWA	F7	EK3061	EK3062	HRK60H	N/A	N/A	N/A	Std.	Std.	ACP6034BC
H362DSWK	F7	EK3061	EK3062	HRK60H	N/A	N/A	N/A	Std.	Std.	APJ6485
H362DS	F1	9999TC10	9999TC20	RFK06H	H60SN	H60SNC	Std.	N/A	Std.	N/A
H362N	F5	EIK1	EK032	RFK06H	Std.	SN0610C	GTK0610	GTK0610C	FPK0610	N/A

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Table 14: Accessories for Current Series Heavy Duty Safety Switches

Catalog Number	Series	Electrical Interlock (1 Contact)	Electrical Interlocks (2 Contacts)	Class R Kits	Solid Neutral (Al/Cu)	Solid Neutral (Cu Only)	Grounding Kit (Al)	Grounding Kit (Cu)	Fuse Puller	Receptacle Plugs
H362NRB	F5	EIK1	EIK2	RFK06H	Std.	SN0610C	GTK0610	GTK0610C	FPK0610	N/A
H362RB	F5	EIK1	EIK2	RFK06H	SN0610	SN0610C	GTK0610	GTK0610C	FPK0610	N/A
H362WA	F6	EIK1	EIK2	RFK06H	SN0610	SN0610C	GTK0610	GTK0610C	FPK0610	ACP6034BC
H362WC	F6	EIK1	EIK2	RFK06H	SN0610	SN0610C	GTK0610	GTK0610C	FPK0610	APJ6485
H362WH	F5	EIK1	EIK2	RFK06H	SN0610	SN0610C	GTK0610	GTK0610C	FPK0610	SD12781
H363	F5	EIK1	EIK2	RFK10	SN0610	SN0610C	GTK0610	GTK0610C	FPK0610	N/A
H363A	F6	EIK1	EIK2	RFK10	SN0610	SN0610C	GTK0610	GTK0610C	Std.	N/A
H363AWA	F6	EIK1	EIK2	RFK10	N/A	N/A	N/A	Std.	Std.	ACP1034CD
H363AWC	F6	EIK1	EIK2	RFK10	N/A	N/A	N/A	Std.	Std.	N/A
H363AWK	F6	EIK1	EIK2	RFK10	SN0610	SN0610C	GTK0610	GTK0610C	Std.	N/A
H363DF	F1	9999TC10	9999TC20	RFK10	SN0610	SN0610C	Std.	N/A	Std.	N/A
H363DS	F6	EK10201	EIK10202	HRK1020	H100SN	H100SNC	PKOGTA2	PKOGTC2	Std.	N/A
H363DSWA	F7	EK10201	EIK10202	HRK1020	N/A	N/A	N/A	Std.	Std.	ACP1034CD
H363DSWC	F7	EK10201	EIK10202	HRK1020	N/A	N/A	N/A	Std.	Std.	APJ10487
H363DX	F1	9999TC10	9999TC20	RFK10	SN0610	SN0610C	Std.	N/A	Std.	N/A
H363N	F5	EIK1	EIK2	RFK10	Std.	SN0610C	GTK0610	GTK0610C	FPK0610	N/A
H363NRB	F5	EIK1	EIK2	RFK10	Std.	SN0610C	GTK0610	GTK0610C	FPK0610	N/A
H363RB	F5	EIK1	EIK2	RFK10	SN0610	SN0610C	GTK0610	GTK0610C	FPK0610	N/A
H363WA	F6	EIK1	EIK2	RFK10	N/A	N/A	N/A	N/A	FPK0610	ACP1034CD
H363WC	F6	EIK1	EIK2	RFK10	N/A	N/A	N/A	N/A	FPK0610	APJ10487
H364	F5	EIK10201	EIK10202	HRK1020	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
H364A	F6	EIK10201	EIK10202	HRK1020	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
H364AWK	F6	EIK10201	EIK10202	HRK1020	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
H364DF	E1	9999R8	9999R9	HRK1020	N/A	N/A	Std.	N/A	N/A	N/A
H364DS	F6	EK10201	EK10202	HRK1020	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
H364N	F5	EK10201	EK10202	HRK1020	Std.	H200SNC	PKOGTA2	PKOGTC2	N/A	N/A
H364NA	F6	EK10201	EK10202	HRK1020	H200SN	Std.	PKOGTA2	PKOGTC2	N/A	N/A
H364NAWK	F6	EK10201	EK10202	HRK1020	H200SN	Std.	PKOGTA2	PKOGTC2	N/A	N/A
H364NDS	F6	EK10201	EK10202	HRK1020	H200SN	Std.	PKOGTA2	PKOGTC2	N/A	N/A
H364NRB	F5	EK10201	EK10202	HRK1020	Std.	H200SNC	PKOGTA2	PKOGTC2	N/A	N/A
H364RB	F5	EK10201	EK10202	HRK1020	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
H365	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H365AWK	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H365DS	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H365N	E4	EIK40601	EIK40602	HRK4060	Std.	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H365NAWK	E4	EIK40601	EIK40602	HRK4060	H600SN	Std.	PKOGTA2	PKOGTC3	N/A	N/A
H365NDS	E4	EIK40601	EIK40602	HRK4060	H600SN	Std.	PKOGTA2	PKOGTC3	N/A	N/A
H365NR	E4	EIK40601	EIK40602	HRK4060	Std.	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H365R	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H366	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H366AWK	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H366DS	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H366N	E4	EIK40601	EIK40602	HRK4060	Std.	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H366NAWK	E4	EIK40601	EIK40602	HRK4060	H600SN	Std.	PKOGTA2	PKOGTC3	N/A	N/A
H366NDS	E4	EIK40601	EIK40602	HRK4060	H600SN	Std.	PKOGTA2	PKOGTC3	N/A	N/A
H366NR	E4	EIK40601	EIK40602	HRK4060	Std.	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H366R	E4	EIK40601	EIK40602	HRK4060	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
H367	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H367AWK	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H367N	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA7	N/A	N/A	N/A
H367NAWK	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA7	N/A	N/A	N/A
H367NR	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA7	N/A	N/A	N/A
H367R	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
H368	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA8	N/A	N/A	N/A
H368AWK	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA8	N/A	N/A	N/A
H368N	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA8	N/A	N/A	N/A
H368NAWK	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA8	N/A	N/A	N/A
H368NR	E4	EIK40601	EIK40602	N/A	Std.	N/A	PKOGTA8	N/A	N/A	N/A
H368R	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA8	N/A	N/A	N/A
H461	F5	EIK1	EIK2	RFK06	N/A	N/A	GTK0610	GTK0610C	FPK0610	N/A
H461AWK	F6	EIK1	EIK2	RFK06	N/A	N/A	GTK0610	GTK0610C	Std.	N/A
H462	F5	EIK1	EIK2	RFK06H	N/A	N/A	GTK0610	GTK0610C	FPK0610	N/A
H462AWK	F6	EK3061	EIK2	RFK06H	N/A	N/A	GTK0610	GTK0610C	Std.	N/A
H462DS	F6	EIK1	EK3062	HRK30H	N/A	N/A	PK3GTA1	PKOGTC1	Std.	N/A
H463	F5	EIK1	EIK2	RFK10	N/A	N/A	GTK0610	GTK0610C	FPK0610	N/A
H463AWK	F6	EIK1	EIK2	RFK10	SN0610	SN0610C	GTK0610	GTK0610C	Std.	N/A
H463DS	F6	EK10201	EK10202	HRK1020	N/A	N/A	PKOGTA2	PKOGTC2	Std.	N/A
H464	F5	EK10201	EK10202	HRK1020	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
H464AWK	F6	EK10201	EK10202	HRK1020	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
H464DS	F6	EK10201	EK10202	HRK1020	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
H465	E4	EIK40601	EIK40602	HRK4060	N/A	N/A	PKOGTA2	PKOGTC3	N/A	N/A
H465AWK	E4	EIK40601	EIK40602	HRK4060	N/A	N/A	PKOGTA2	PKOGTC3	N/A	N/A

Continued on next page

Table 14: Accessories for Current Series Heavy Duty Safety Switches

Catalog Number	Series	Electrical Interlock (1 Contact)	Electrical Interlocks (2 Contacts)	Class R Kits	Solid Neutral (Al/Cu)	Solid Neutral (Cu Only)	Grounding Kit (Al)	Grounding Kit (Cu)	Fuse Puller	Receptacle Plugs
H466	E4	EIK40601	EIK40602	HRK4060	N/A	N/A	PKOGTA2	PKOGTC3	N/A	N/A
H60XFA	F1	N/A	N/A	N/A	100SNA	N/A	Std.	N/A	N/A	N/A
H663AWK	F5	EIK1	EIK2	RFK10	N/A	N/A	GTK0610	GTK0610C	Std.	N/A
H663DS	F6	EK10201	EIK10202	HRK1020	N/A	N/A	PKOGTA2	PKOGTC2	Std.	N/A
H664DS	F6	EK10201	EIK10202	HRK1020	N/A	N/A	PKOGTA2	PKOGTC3	N/A	N/A
H664AWK	F6	EK10201	EIK10202	HRK1020	N/A	N/A	PKOGTA2	PKOGTC3	N/A	N/A
HU265	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU265AWK	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU265DS	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU265R	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU266	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU266AWK	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU266DS	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU266R	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU267	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU267AWK	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU267R	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
HU268	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
HU268AWK	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA8	N/A	N/A	N/A
HU268R	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA8	N/A	N/A	N/A
HU361	F5	EIK031	EIK032	N/A	SN03	SN03C	GTK03	GTK03C	N/A	N/A
HU361A	F6	EIK031	EIK032	N/A	SN03	SN03C	GTK03	GTK03C	N/A	N/A
HU361AWA	F7	EIK1	EIK2	N/A	N/A	N/A	N/A	Std.	N/A	ACP3034BC
HU361AWC	F7	EIK1	EIK2	N/A	N/A	N/A	N/A	Std.	N/A	APJ3485
HU361AWK	F6	EIK031	EIK032	N/A	SN03	SN03C	GTK03	GTK03C	N/A	N/A
HU361DF	F1	9999TC10	9999TC20	N/A	H60SN	H60SNC	Std.	N/A	N/A	N/A
HU361DS	F6	EK3001	EK3002	N/A	H60SN	H60SNC	PK3GTA1	PKOGTC1	N/A	N/A
HU361DSWA	F7	EK3001	EK3002	N/A	N/A	N/A	N/A	Std.	N/A	ACP3034BC
HU361DSWC	F7	EK3061	EK3062	N/A	N/A	N/A	N/A	Std.	N/A	APJ3485
HU361DX	F1	9999TC10	9999TC20	N/A	H60SN	H60SNC	Std.	N/A	N/A	N/A
HU361RB	F5	EIK031	EIK032	N/A	SN03	SN03C	GTK03	GTK03C	N/A	N/A
HU361WA	F6	EIK1	EIK2	N/A	N/A	N/A	Std.	N/A	N/A	ACP3034BC
HU361WC	F6	EIK1	EIK2	N/A	SN0610	SN0610C	Std.	N/A	N/A	APJ3485
HU362	F5	EIK1	EIK2	N/A	SN0610	SN0610C	GTK0610	GTK0610C	N/A	N/A
HU362A	F6	EIK1	EIK2	N/A	SN0610	SN0610C	GTK0610	GTK0610C	N/A	N/A
HU362AWA	F6	EIK1	EIK2	N/A	SN0610	SN0610C	GTK0610	GTK0610C	N/A	ACP6034BC
HU362AWC	F7	EIK1	EIK2	N/A	SN0610	SN0610C	GTK0610	GTK0610C	N/A	APJ6485
HU362AWH	F6	EIK1	EIK2	N/A	SN0610	SN0610C	GTK0610	GTK0610C	N/A	SD12781
HU362AWK	F7	EIK1	EIK2	N/A	SN0610	SN0610C	GTK0610	GTK0610C	N/A	N/A
HU362DF	F1	9999TC10	9999TC20	N/A	H60SN	H60SNC	Std.	N/A	N/A	N/A
HU362DS	F6	EK3061	EK3062	N/A	H60SN	H60SNC	PK3GTA1	PKOGTC1	N/A	N/A
HU362DSWA	F7	EK3061	EK3062	N/A	N/A	N/A	N/A	Std.	N/A	ACP6034BC
HU362DSWC	F7	EK3061	EK3062	N/A	N/A	N/A	N/A	Std.	N/A	APJ6485
HU362DX	F1	9999TC10	9999TC20	N/A	H60SN	H60SNC	Std.	N/A	N/A	N/A
HU362RB	F5	EIK1	EIK2	N/A	SN0610	SN0610C	GTK0610	GTK0610C	N/A	N/A
HU362WA	F6	EIK1	EIK2	N/A	N/A	N/A	Std.	N/A	N/A	ACP6034BC
HU362WC	F6	EIK1	EIK2	N/A	SN0610	SN0610C	Std.	Std.	N/A	APJ6485
HU362WH	F5	EIK1	EIK2	N/A	N/A	N/A	Std.	Std.	N/A	SD12781
HU363	F5	EIK1	EIK2	N/A	SN0610	SN0610C	GTK0610	GTK0610C	N/A	N/A
HU363A	F6	EIK1	EIK2	N/A	SN0610	SN0610C	GTK0610	GTK0610C	N/A	N/A
HU363AWA	E4	EIK1	EIK2	N/A	N/A	N/A	N/A	Std.	N/A	ACP1034CD
HU363AWC	E4	EIK1	EIK2	N/A	N/A	N/A	N/A	Std.	N/A	APJ10487
HU363AWK	E4	EIK1	EIK2	N/A	SN0610	SN0610C	GTK0610	GTK0610C	N/A	N/A
HU363DF	E4	9999TC10	9999TC20	N/A	SN0610	SN0610C	N/A	N/A	N/A	N/A
HU363DS	F6	EIK10201	EIK10202	N/A	H100SN	H100SNC	PKOGTA2	PKOGTC2	N/A	N/A
HU363DSWA	F7	EIK10201	EIK10202	N/A	N/A	N/A	N/A	Std.	N/A	ACP1034CD
HU363DSWC	F7	EIK10201	EIK10202	N/A	N/A	N/A	N/A	Std.	N/A	APJ10487
HU363DX	F1	9999TC10	9999TC20	N/A	SN0610	SN0610C	Std.	N/A	N/A	N/A
HU363RB	F5	EIK1	EIK2	N/A	SN0610	SN0610C	GTK0610	GTK0610C	N/A	N/A
HU363WA	F5	EIK1	EIK2	N/A	N/A	N/A	Std.	N/A	N/A	ACP1034CD
HU363WC	F5	EIK1	EIK2	N/A	N/A	N/A	Std.	N/A	N/A	APJ10487
HU364	F5	EK10201	EK10202	N/A	H200SN	H200SNC	PKOGTA2	PKOGTC2	N/A	N/A
HU364A	F6	EK10201	EK10202	N/A	H200SN	H200SNC	PKOGTA2	PKOGTC2	N/A	N/A
HU364AWK	F6	EK10201	EK10202	N/A	H200SN	H200SNC	PKOGTA2	PKOGTC2	N/A	N/A
HU364DF	E1	9999R8	9999R9	N/A	N/A	N/A	Std.	N/A	N/A	N/A
HU364DS	F6	EK10201	EK10202	N/A	H200SN	H200SNC	PKOGTA2	PKOGTC2	N/A	N/A
HU364RB	F5	EK10201	EK10202	N/A	H200SN	H200SNC	PKOGTA2	PKOGTC2	N/A	N/A
HU365	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A

Continued on next page

Table 14: Accessories for Current Series Heavy Duty Safety Switches

Catalog Number	Series	Electrical Interlock (1 Contact)	Electrical Interlocks (2 Contacts)	Class R Kits	Solid Neutral (Al/Cu)	Solid Neutral (Cu Only)	Grounding Kit (Al)	Grounding Kit (Cu)	Fuse Puller	Receptacle Plugs
HU365AWK	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU365DS	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU365R	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU366	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU366AWK	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU366DS	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU366R	E4	EIK40601	EIK40602	N/A	H600SN	H600SNC	PKOGTA2	PKOGTC3	N/A	N/A
HU367	E4	EIK40601	EIK40602	N/A	H800SNE4	N/A	PKOGTA7	N/A	N/A	N/A
HU367AWK	E4	EIK40601	EIK40602	N/A	H800SNE4	H600SNC	PKOGTA7	PKOGTC3	N/A	N/A
HU367R	E4	EIK40601	EIK40602	N/A	H800SNE4	H600SNC	PKOGTA7	PKOGTC3	N/A	N/A
HU368	E4	EIK40601	EIK40602	N/A	H1200SNE4	H600SNC	PKOGTA8	PKOGTC3	N/A	N/A
HU368AWK	E4	EIK40601	EIK40602	N/A	H1200SNE4	H600SNC	PKOGTA8	PKOGTC3	N/A	N/A
HU368R	E4	EIK40601	EIK40602	N/A	H1200SNE4	N/A	PKOGTA8	N/A	N/A	N/A
HU461	F5	EIK1	EIK2	N/A	N/A	N/A	GTK0610	GTK0610C	N/A	N/A
HU461AWK	E1	EK3061	EK3062	N/A	N/A	N/A	PK3GTA1	PKOGTC1	N/A	N/A
HU461DS	F6	EK3061	EK3062	N/A	N/A	N/A	PK3GTA1	PKOGTC1	N/A	N/A
HU462	F5	EIK1	EIK2	N/A	N/A	N/A	GTK0610	GTK0610C	N/A	N/A
HU462AWK	F6	EIK1	EIK2	N/A	N/A	N/A	GTK0610	GTK0610C	N/A	N/A
HU462DS	F6	EK3061	EK3062	N/A	N/A	N/A	PK3GTA1	PKOGTC1	N/A	N/A
HU463	F5	EIK1	EIK2	N/A	N/A	N/A	GTK0610	GTK0610C	N/A	N/A
HU463AWK	F6	EIK1	EIK2	N/A	N/A	N/A	GTK0610	GTK0610C	N/A	N/A
HU463DS	F6	EK10201	EK10202	N/A	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
HU464	F5	EK10201	EK10202	N/A	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
HU464AWK	F6	EK10201	EK10202	N/A	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
HU464DS	F6	EK10201	EK10202	N/A	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
HU465	E4	EIK1	EIK2	N/A	H600SN	N/A	PKOGTA2	PKOGTC3	N/A	N/A
HU465AWK	E4	EIK40601	EIK40602	N/A	N/A	N/A	PKOGTA2	PKOGTC3	N/A	N/A
HU466	E4	EIK40601	EIK40602	N/A	N/A	N/A	PKOGTA2	PKOGTC3	N/A	N/A
HU661AWK	F6	EIK1	EIK2	N/A	N/A	N/A	GTK0610	GTK0610C	N/A	N/A
HU661DS	F6	EK3001	EK3002	N/A	N/A	N/A	PK3GTA1	PKOGTC1	N/A	N/A
HU662AWK	F6	EIK1	EIK2	N/A	N/A	N/A	GTK0610	GTK0610C	N/A	N/A
HU662DS	F6	EK3061	EK3062	N/A	N/A	N/A	PK3GTA1	PKOGTC1	N/A	N/A
HU663AWK	F6	EIK1	EIK2	N/A	N/A	N/A	GTK0610	GTK0610C	N/A	N/A
HU663DS	F6	EK10201	EK10202	N/A	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
HU664DS	F6	EK10201	EK10202	N/A	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A
HU664RWK	F6	EK10201	EK10202	N/A	N/A	N/A	PKOGTA2	PKOGTC2	N/A	N/A

General Information

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 15: Fusible Short Circuit Current Ratings

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 [1]

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

Table 16: Non-Fusible Safety Switches

Heavy Duty Safety Switch Type	Switch Rating (A) [1]	Fuse or Circuit Breaker Type[2]	3-Phase		
			240 Vac	480 Vac	600 Vac
Non-Fusible Switches	All	Any brand circuit breaker	Up to 10 kA		
		H, K			
		R,T,J.L	200 kA	200 kA	200 kA
	30–100	H [3]	65 kA	35 kA	25 kA
	30–100	FA	14 kA	14 kA	14 kA
	30–100	FH	18 kA	18 kA	18 kA
	200	H, J [3]	65 kA	35 kA	25 kA
	200	KA	22 kA	22 kA	22 kA
	400	LA			
	600	MA			
	200	KH	25 kA	25 kA	25 kA
	400	LH			
	600	MH			

1 Applies to NEMA Types 1, 3R, 4X stainless, 12 switches.

2 Ampere rating of fuse or circuit breaker not to exceed switch ampere rating.

3 All H and J circuit breakers are acceptable, but will only support the noted Short Circuit Current Rating.

Table 17: Terminal Lug Data (NEMA Types 1, 3R, 4, 4X, 5, 7, 9, 12) [1]

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-Installed [2]
30 [3]	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 [4]	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 [5]	1	6–250 (Al/Cu)	6–300 (Al/Cu)	VCEL030516H1
400	1 or 2	1/0–750 (Al/Cu) [6] or 1/0–300 (Al/Cu)	1/0–750 (Al/Cu) and 1/0–300 (Al/Cu)	VCEL07512H1 or VCEL030516H1 [7] 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 [8]
1200	4	3/0–750 (Al/Cu)	3/0–750 (Al/Cu)	H12LKE2 [8]

1 30–100 A switches suitable for 60°C or 75°C conductors. 200–1200 A switches suitable for 75°C conductors.

2 For NEMA Types 1 and 3R only.

3 HU461AWK— 14–6 AWG (Cu).

4 H60XFA— 14–6 AWG (Cu).

5 H225XKA— 4 AWG–300 kcmil (Cu).

6 Maximum wire range is (1) 600 kcmil or (2) 300 kcmil Al/Cu on NEMA Type 4X Stainless and NEMA Type 12.

7 Order two PK516KN mounting kits when installing VCEL030516H1 lugs. Only one kit is required on two-pole switches.

8 See Digest 175 page 13, 800 and 1200 A compression lug kits for additional information.

Table 18: 30 A Heavy Duty Rating

Catalog Number	Series	120 Vac		240 Vac				480 Vac				600 Vac				Vdc			240 Vac		480 Vac		600 Vac	
		Std.	Max.	Std.		Max.		Std.		Max.		Std.		Max.		Max. hp Ratings			Std.	Max.	Std.	Max.	Std.	Max.
		1Ø	1Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	125	250	600	2Ø	2Ø	2Ø	2Ø	2Ø	2Ø
H221DS	F6	—	—	1-1/2	—	3	—	—	—	—	—	—	—	—	—	—	5	—	—	—	—	—	—	—
H221A	F6	1/2	2	1-1/2[1]	3[2]	3	7-1/2[2]	—	—	—	—	—	—	—	—	3	5	—	—	—	—	—	—	—
H221AWK	F6	—	—	1-1/2[1]	3[2]	3	7-1/2[2]	—	—	—	—	—	—	—	—	3	5	—	—	—	—	—	—	—
H221N	F5	1/2	2	1-1/2[1]	3[2]	3	7-1/2[2]	—	—	—	—	—	—	—	—	3	5[3]	—	—	—	—	—	—	—
H221NRB	F5	1/2	2	1-1/2[1]	3[2]	3[2]	7-1/2[2]	—	—	—	—	—	—	—	—	3	5[3]	—	—	—	—	—	—	—
H321DS	F6	—	—	1-1/2[1]	3[2]	—	7-1/2[2]	—	—	—	—	—	—	—	—	—	5[1]	—	—	—	—	—	—	—
H321A	F6	1/2	2	1-1/2[1]	3[2]	3[2]	7-1/2[2]	—	—	—	—	—	—	—	—	3	5[3]	—	—	—	—	—	—	—
H321AWK	F6	1/2	2	1-1/2[1]	3[2]	3[2]	7-1/2[2]	—	—	—	—	—	—	—	—	3	5[3]	—	—	—	—	—	—	—
H321N	F5	1/2	—	1-1/2[1]	3[2]	3[2]	7-1/2[2]	—	—	—	—	—	—	—	—	3	5[3]	—	—	—	—	—	—	—
H321NRB	F5	1/2	—	1-1/2[1]	3[2]	3[2]	7-1/2[2]	—	—	—	—	—	—	—	—	3	5[3]	—	—	—	—	—	—	—
H361	F5	—	—	—	—	—	—	3[1]	5[2]	7-1/2[1]	15[2]	—	7-1/2	—	20	—	5[3]	15	—	—	—	—	—	—
H361RB	F5	—	—	—	—	—	—	3[1]	5[2]	7-1/2[1]	15[2]	—	7-1/2	—	20	—	5[3]	15	—	—	—	—	—	—
H361DS	F6	—	—	—	—	—	—	—	5	—	15	—	7-1/2	—	20	—	—	15	—	—	—	—	—	—
H361A	F6	—	—	—	—	—	—	3[1]	5[2]	7-1/2[1]	15[2]	—	7-1/2	—	20	—	5[3]	15	—	—	—	—	—	—
H361AWK	F6	—	—	—	—	—	—	3[1]	5[2]	7-1/2[1]	15[2]	—	7-1/2	—	20	—	5[3]	15	—	—	—	—	—	—
H3612A	F6	—	—	—	—	—	—	3[1]	5[2]	7-1/2[1]	15[2]	—	7-1/2	—	20	—	—	15	—	—	—	—	—	—
H3612AWK	F6	—	—	—	—	—	—	3[1]	5[2]	7-1/2[1]	15[2]	—	7-1/2	—	20	—	—	15	—	—	—	—	—	—
H361N	F5	—	—	—	—	—	—	3[1]	7-1/2[2]	5[1]	15[2]	—	7-1/2	—	20	—	5[1]	15[1]	—	—	—	—	—	—
H361NRB	F5	—	—	—	—	—	—	3[1]	7-1/2[2]	5[1]	15[2]	—	7-1/2	—	20	—	5[1]	15[1]	—	—	—	—	—	—
H461	F5	—	—	—	3	—	7-1/2	—	5	—	15	—	7-1/2	—	20	3[3]	5[3]	15	3	10	7-1/2	20	10	25
H461DS	F6	—	—	—	—	—	—	—	7-1/2	—	20	—	10	—	25	—	—	—	—	—	—	—	—	—
H461AWK	F6	—	—	—	3	—	7-1/2	—	5	—	15	—	7-1/2	—	20	3[3]	5[3]	15	3	10	7-1/2	20	10	25
HU361	F5	—	2	—	—	5[1]	10[1]	—	—	7-1/2[1]	20[2]	—	—	10[1]	30	3	5	15	—	—	—	—	—	—
HU361RB	F5	—	2	—	—	5[1]	10[1]	—	—	7-1/2[1]	20[2]	—	—	10[1]	30	3	5	15	—	—	—	—	—	—
HU361DS	F6	—	2	—	—	5[1]	10[1]	—	—	7-1/2[1]	20	—	—	10[1]	30	3	5	15	—	—	—	—	—	—
HU361A	F6	—	2	—	—	5[1]	10[1]	—	—	7-1/2[1]	20[2]	—	—	10[1]	30	3	5	15	—	—	—	—	—	—
HU361AWK	F6	—	2	—	—	5[1]	10[1]	—	—	7-1/2[1]	20[2]	—	—	10[1]	30	3	5	15	—	—	—	—	—	—
HU461	F5	—	—	—	—	—	10	—	—	—	20	—	—	—	30	3	10	15	—	10	—	20	—	25
HU461DS	F6	—	—	—	—	—	10	—	—	—	20	—	—	—	30	2	5	10	—	10	—	20	—	25
HU461AWK	E1	—	—	—	—	—	10	—	—	—	20	—	—	—	30	3	10	15	—	10	—	20	—	25

[1] Use both outer switching poles.
[2] For corner grounded only, install neutral and use switching poles for ungrounded conductors.
[3] Standard hp rating.

Table 19: 60 A Heavy Duty Ratings

Catalog Number	Series	120 Vac		240 Vac				480 Vac				600 Vac				Vdc			240 Vac		480 Vac		600 Vac	
		Std.	Max.	Std.		Max.		Std.		Max.		Std.		Max.		Max. hp Ratings			Std.	Max.	Std.	Max.	Std.	Max.
		1Ø	1Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	125	250	600	2Ø	2Ø	2Ø	2Ø	2Ø	2Ø
H222DS	F6	—	—	3	—	10	—	—	—	—	—	—	—	—	—	—	10	—	—	—	—	—	—	—
H222A	F6	1-1/2	3	3[1]	7-1/2[2]	10[1]	15[2]	—	—	—	—	—	—	—	—	5[3]	10[3]	—	—	—	—	—	—	—
H222AWK	F6	1-1/2	3	3[1]	7-1/2[2]	10[1]	15[2]	—	—	—	—	—	—	—	—	5[3]	10[3]	—	—	—	—	—	—	—
H222N	F5	1-1/2	3	3[1]	7-1/2[2]	10[1]	15[2]	—	—	—	—	—	—	—	—	5[3]	10[3]	—	—	—	—	—	—	—
H222NRB	F5	1-1/2	3	3[1]	7-1/2[2]	10[1]	15[2]	—	—	—	—	—	—	—	—	5[3]	10[3]	—	—	—	—	—	—	—
H322DS	F6	—	—	—	7-1/2[2]	—	15[2]	—	—	—	—	—	—	—	—	—	10	—	—	—	—	—	—	—
H322A	F6	1-1/2	3	3[1]	7-1/2[2]	10[1]	15[2]	—	—	—	—	—	—	—	—	5[3]	10[3]	—	—	—	—	—	—	—
H322AWK	F6	1-1/2	3	3[1]	7-1/2[2]	10[1]	15[2]	—	—	—	—	—	—	—	—	5[3]	10[3]	—	—	—	—	—	—	—
H322N	F5	1-1/2	3	3[1]	7-1/2[2]	10[1]	15[2]	—	—	—	—	—	—	—	—	5[3]	10[3]	—	—	—	—	—	—	—
H322NRB	F5	1-1/2	3	3[1]	7-1/2[2]	10[1]	15[2]	—	—	—	—	—	—	—	—	5[3]	10[3]	—	—	—	—	—	—	—
H362	F5	—	—	—	—	—	—	5[1]	15[2]	20[1]	30[2]	—	15	—	50	—	—	30	—	—	—	—	—	—
H362RB	F5	—	—	—	—	—	—	5[1]	15[2]	20[1]	30[2]	—	15	—	50	—	—	30	—	—	—	—	—	—
H362DS	F6	—	—	—	—	—	—	—	—	—	30	—	15	—	50	—	—	30	—	—	—	—	—	—
H362A	F6	—	—	—	—	—	—	5[1]	15[2]	20[1]	30[2]	—	15	—	50	—	—	30	—	—	—	—	—	—
H362AWK	F6	—	—	—	—	—	—	5[1]	15[2]	20[1]	30[2]	—	15	—	50	—	—	30	—	—	—	—	—	—
H362N	F5	—	—	—	—	—	—	5[1]	15[2]	20[1]	30[2]	—	15	—	50	—	—	30	—	—	—	—	—	—
H362NRB	F5	—	—	—	—	—	—	5[1]	15[2]	20[1]	30[2]	—	15	—	50	—	—	30	—	—	—	—	—	—
H462	F5	—	—	—	7-1/2	—	15	—	15	—	30	—	15	—	50	5	10	30	7-1/2	20	15	40	20	50
H462DS	F6	—	—	—	—	—	—	—	15	—	40	—	20	—	50	—	—	—	—	—	—	—	—	—
H462AWK	F6	—	—	—	7-1/2	—	15	—	15	—	30	—	15	—	50	5	10	30	7-1/2	20	15	40	20	50
HU362	F5	—	5	—	—	10[1]	20[4]	—	—	25[1]	50[2 5]	—	—	30[1]	60[6]	5	10	30	—	—	—	—	—	—
HU362RB	F5	—	5	—	—	10[1]	20[4]	—	—	25[1]	50[2 5]	—	—	30[1]	60[6]	5	10	30	—	—	—	—	—	—
HU362DS	F6	—	5	—	—	10[1]	20	—	—	20[4]	50[6]	—	—	25[1]	60[6]	5	10	30	—	—	—	—	—	—
HU362A	F6	—	5	—	—	10[1]	20[4]	—	—	25[1]	50[2 5]	—	—	30[1]	60[6]	5	10	30	—	—	—	—	—	—
HU362AWK	F6	—	5	—	—	10[1]	20[4]	—	—	25[1]	50[2 5]	—	—	30[1]	60[6]	5	10	30	—	—	—	—	—	—
HU462	F5	—	—	—	—	—	20	—	—	—	50	—	—	—	60	5	10	30	—	20	—	40	—	50
HU462DS	F6	—	—	—	—	—	20	—	—	—	50	—	—	—	60	5	10	30	—	20	—	40	—	50
HU462AWK	F6	—	—	—	—	—	20	—	—	—	50	—	—	—	60	5	10	30	—	20	—	40	—	50
HU662DS	F6	—	—	—	20	—	—	—	50	—	—	—	60	—	—	—	—	—	—	—	—	—	—	—
HU662AWK	F6	—	—	—	20	—	—	—	50	—	—	—	60	—	—	—	—	—	—	—	—	—	—	—

[1] Use both outer switching poles.

[2] For corner grounded delta only, install neutral and use switching poles for ungrounded conductors.

[3] Standard hp rating.

[4] 15 hp maximum on a corner grounded delta system.

[5] 30 hp maximum on a corner grounded delta system.

[6] Use 75°C N.O. 4 Cu or N.O. 2 Al conductors.

Table 20: 100 A Heavy Duty Ratings

Catalog Number	Series	120 Vac		240 Vac				480 Vac				600 Vac				Vdc			240 Vac		480 Vac		600 Vac	
		Std.	Max.	Std.		Max.		Std.		Max.		Std.		Max.		Max. hp Ratings			Std.	Max.	Std.	Max.	Std.	Max.
		1Ø	1Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	125	250	600	2Ø	2Ø	2Ø	2Ø	2Ø	2Ø
H223DS	F6	—	—	7-1/2	—	15	—	—	—	—	—	—	—	—	—	—	20	—	—	—	—	—	—	—
H223AWK	F6	—	—	7-1/2[1]	15[2]	15[1]	30[2]	—	—	—	—	—	—	—	—	—	20[3]	—	—	—	—	—	—	—
H223A	F6	—	—	7-1/2[1]	15[2]	15[1]	30[2]	—	—	—	—	—	—	—	—	—	20[3]	—	—	—	—	—	—	—
H223N	F5	—	—	7-1/2[1]	15[2]	15[1]	30[2]	—	—	—	—	—	—	—	—	—	20[3]	—	—	—	—	—	—	—
H223NRB	F5	—	—	7-1/2[1]	15[2]	15[1]	30[2]	—	—	—	—	—	—	—	—	—	20[3]	—	—	—	—	—	—	—
H323DS	F6	—	—	—	15	—	30	—	—	—	—	—	—	—	—	—	20	—	—	—	—	—	—	—
H323A	F6	—	—	7-1/2[1]	15[2]	15[1]	30[2]	—	—	—	—	—	—	—	—	—	20[3]	—	—	—	—	—	—	—
H323AWK	F6	—	—	7-1/2[1]	15[2]	15[1]	30[2]	—	—	—	—	—	—	—	—	—	20[3]	—	—	—	—	—	—	—
H323N	F5	—	—	7-1/2[1]	15[2]	15[1]	30[2]	—	—	—	—	—	—	—	—	—	20[3]	—	—	—	—	—	—	—
H323NRB	F5	—	—	7-1/2[1]	15[2]	15[1]	30[2]	—	—	—	—	—	—	—	—	—	20[3]	—	—	—	—	—	—	—
H363	F5	—	—	—	—	—	—	10[1]	25[2]	30[1]	60[2]	—	30	—	75	—	50	30	—	—	—	—	—	—
H363RB	F5	—	—	—	—	—	—	10[1]	25[2]	30[1]	60[2]	—	30	—	75	—	50	30	—	—	—	—	—	—
H363DS	F6	—	—	—	—	—	—	—	25	—	60	—	30	—	75	—	—	30	—	—	—	—	—	—
H363A	F6	—	—	—	—	—	—	10[1]	25[2]	30[1]	60[2]	—	30	—	75	—	50	30	—	—	—	—	—	—
H363AWK	F6	—	—	—	—	—	—	10[1]	25[2]	30[1]	60[2]	—	30	—	75	—	50	30	—	—	—	—	—	—
H363N	F5	—	—	—	—	—	—	10[1]	25[2]	30[1]	60[2]	—	30	—	75	—	50	30	—	—	—	—	—	—
H363NRB	F5	—	—	—	—	—	—	10[1]	25[2]	30[1]	60[2]	—	30	—	75	—	50	30	—	—	—	—	—	—
H463	F5	—	—	—	15	—	30	—	25	—	60	—	30	—	75	—	20[3]	30	7-1/2	20	15	40	20	50
H463DS	F6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H463AWK	F6	—	—	—	15	—	30	—	25	—	60	—	30	—	75	—	20[3]	30	7-1/2	20	15	40	20	50
H663DS	F6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H663AWK	F6	—	—	—	15	—	30	—	25	—	60	—	30	—	75	—	—	—	—	—	—	—	—	—
HU363	F5	—	7-1/2	—	—	20[1]	40[2 6]	—	—	40[1]	75[5 6]	—	—	40[1]	75[6]	7-1/2	20	50	—	—	—	—	—	—
HU363RB	F5	—	7-1/2	—	—	20[1]	40[2 6]	—	—	40[1]	75[5 6]	—	—	40[1]	75[6]	7-1/2	20	50	—	—	—	—	—	—
HU363DS	F6	—	10[1]	—	—	15[1]	40[4]	—	—	30[1]	75	—	—	40[1]	75[4]	10	20	—	—	—	—	—	—	—
HU363A	F6	—	7-1/2	—	—	20[1]	40[2 6]	—	—	40[1]	75[5 6]	—	—	40[1]	75[6]	7-1/2	20	50	—	—	—	—	—	—
HU363AWK	F6	—	7-1/2	—	—	20[1]	40[2 6]	—	—	40[1]	75[5 6]	—	—	40[1]	75[6]	7-1/2	20	50	—	—	—	—	—	—
HU463	F5	—	—	—	—	—	40	—	—	—	75	—	—	—	75	—	20	30	—	30	—	50	—	50
HU463DS	F6	—	—	—	—	—	40	—	—	—	75	—	—	—	75	—	20	30	—	30	—	50	—	50
HU463AWK	F6	—	—	—	—	—	40	—	—	—	75	—	—	—	75	—	20	30	—	30	—	50	—	50
HU663DS	F6	—	—	—	—	—	40	—	—	—	75	—	—	—	75	—	—	—	—	—	—	—	—	—
HU663AWK	F6	—	—	—	—	—	40	—	—	—	75	—	—	—	75	—	—	—	—	—	—	—	—	—

[1] Use both outer switching poles.

[2] For corner grounded delta only, install neutral and use switching poles for ungrounded conductors.

[3] Standard hp rating.

[4] Use 75°C No. 1 copper conductor only.

[5] 60 hp maximum on corner grounded delta.

[6] Use 75°C N.O. 4 Cu or N.O. 2 Al conductors.

Table 21: 200 A Heavy Duty Ratings

Catalog Number	Series	120 Vac		240 Vac				480 Vac				600 Vac				Vdc			240 Vac		480 Vac		600 Vac	
		Std.	Max.	Std.		Max.		Std.		Max.		Std.		Max.		Max. hp Ratings			Std.	Max.	Std.	Max.	Std.	Max.
		1Ø	1Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	125	250	600	2Ø	2Ø	2Ø	2Ø	2Ø	2Ø
H224DS	F6	—	—	15	—	—	—	—	—	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—
H224A	F6	—	—	15	—	—	—	—	—	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—
H224AWK	F6	—	—	15	—	—	—	—	—	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—
H224N	F5	—	—	15[1 2]	25	—	60	—	—	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—
H224NRB	F5	—	—	—	25	15[1 2]	60	—	—	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—
H324DS	F6	—	—	—	25	—	60	—	—	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—
H324A	F6	—	—	—	25	—	60	—	—	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—
H324AWK	F6	—	—	—	25	—	60	—	—	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—
H324N	F5	—	—	—	25	—	60	—	—	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—
H324NRB	F5	—	—	—	25	—	60	—	—	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—
H364	F6	—	—	—	—	—	—	—	50	—	125	—	60	—	150	—	—	50	—	—	—	—	—	—
H364RB	F5	—	—	—	—	—	—	—	50	—	125	—	60	—	150	—	—	50	—	—	—	—	—	—
H364DS	F6	—	—	—	—	—	—	—	50	—	125	—	60	—	150	—	—	50	—	—	—	—	—	—
H364A	F6	—	—	—	—	—	—	—	50	—	125	—	60	—	150	—	—	50	—	—	—	—	—	—
H364AWK	F6	—	—	—	—	—	—	—	50	—	125	—	60	—	150	—	—	50	—	—	—	—	—	—
H364N	F6	—	—	—	—	—	—	—	50	—	125	—	60	—	150	—	—	50	—	—	—	—	—	—
H364NRB	F5	—	—	—	—	—	—	—	50	—	125	—	60	—	150	—	—	50	—	—	—	—	—	—
H464	F5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	50	50	50
H464DS	F6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	50	50	50
H464AWK	F6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	50	50	50
H664DS	F6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H664AWK	F6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HU364	F5	—	—	—	—	—	60	—	—	—	125	—	—	—	150	—	40	50	—	—	—	—	—	—
HU364RB	F5	—	—	—	—	—	60	—	—	—	125	—	—	—	150	—	40	50	—	—	—	—	—	—
HU364DS	F6	—	—	—	—	—	—	—	—	—	125	—	—	—	150	—	40	50	—	—	—	—	—	—
HU364A	F6	—	—	—	—	—	60	—	—	—	125	—	—	—	150	—	40	50	—	—	—	—	—	—
HU364AWK	F6	—	—	—	—	—	60	—	—	—	125	—	—	—	150	—	40	50	—	—	—	—	—	—
HU464	F5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	50	—	50
HU464DS	F6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	50	—	50
HU463AWK	F6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	50	—	50
HU664DS	F6	—	—	—	—	—	75	—	—	—	150	—	—	—	150	—	—	—	—	—	—	—	—	—
HU664AWK	F6	—	—	—	—	—	75	—	—	—	150	—	—	—	150	—	—	—	—	—	—	—	—	—

Table 22: 400 A Heavy Duty Ratings

Catalog Number	Series	120 Vac		240 Vac				480 Vac				600 Vac				Vdc			240 Vac		480 Vac		600 Vac	
		Std.	Max.	Std.		Max.		Std.		Max.		Std.		Max.		Max. hp Ratings			Std.	Max.	Std.	Max.	Std.	Max.
		1Ø	1Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	125	250	600	2Ø	2Ø	2Ø	2Ø	2Ø	2Ø
H225	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H225R	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H225DS	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H225AWK	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H225N	E4	—	—	—	50[1]	—	125[1]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H225NR	E4	—	—	—	50[1]	—	125[1]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H225NDS	E4	—	—	—	50[1]	—	125[1]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H225NAWK	E4	—	—	—	50[1]	—	125[1]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H325	E4	—	—	—	50	—	125	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H325R	E4	—	—	—	50	—	125	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H325DS	E4	—	—	—	50	—	125	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H325AWK	E4	—	—	—	50	—	125	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H325N	E4	—	—	—	50	—	125	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H325NR	E4	—	—	—	50	—	125	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H325NDS	E4	—	—	—	50	—	125	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H325NAWK	E4	—	—	—	50	—	125	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H265	E4	—	—	—	—	—	—	—	100[1]	—	250[1]	—	—	—	—	—	50	—	—	—	—	—	—	—
H265R	E4	—	—	—	—	—	—	—	100[1]	—	250[1]	—	—	—	—	—	50	—	—	—	—	—	—	—
H265DS	E4	—	—	—	—	—	—	—	100[1]	—	250[1]	—	—	—	—	—	50	—	—	—	—	—	—	—
H265AWK	E4	—	—	—	—	—	—	—	100[1]	—	250[1]	—	—	—	—	—	—	—	—	—	—	—	—	—
H365	E4	—	—	—	—	—	—	—	100	—	250	—	125	—	350	—	50	—	—	—	—	—	—	—
H365R	E4	—	—	—	—	—	—	—	100	—	250	—	125	—	350	—	50	—	—	—	—	—	—	—
H365DS	E4	—	—	—	—	—	—	—	100	—	250	—	125	—	350	—	50	—	—	—	—	—	—	—
H365AWK	E4	—	—	—	—	—	—	—	100	—	250	—	125	—	350	—	50	—	—	—	—	—	—	—
H365N	E4	—	—	—	—	—	—	—	100	—	250	—	125	—	350	—	—	—	—	—	—	—	—	—
H365NR	E4	—	—	—	—	—	—	—	100	—	250	—	125	—	350	—	—	—	—	—	—	—	—	—
H365NDS	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H365NAWK	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H465[2]	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H465AWK[2]	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HU265	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
HU265R	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
HU265DS	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
HU265AWK	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
HU365	E4	—	—	—	—	—	125	—	—	—	250	—	—	—	350	—	50	—	—	—	—	—	—	—
HU365R	E4	—	—	—	—	—	125	—	—	—	250	—	—	—	350	—	50	—	—	—	—	—	—	—
HU365DS	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HU365AWK	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HU465[2]	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HU465AWK[2]	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[1] For corner grounded only, install neutral and use switching poles for ungrounded conductors.

[2] Not suitable for use as service equipment.

Table 23: 600 A Heavy Duty Ratings

Catalog Number	Series	120 Vac		240 Vac				480 Vac				600 Vac				Vdc			240 Vac		480 Vac		600 Vac	
		Std.	Max.	Std.		Max.		Std.		Max.		Std.		Max.		Max. hp Ratings			Std.	Max.	Std.	Max.	Std.	Max.
		1Ø	1Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	125	250	600	2Ø	2Ø	2Ø	2Ø	2Ø	2Ø
H226	E4	—	—	—	75[1]	—	200[1]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H226R	E4	—	—	—	75[1]	—	200[1]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H226DS	E4	—	—	—	75[1]	—	200[1]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H226AWK	E4	—	—	—	75[1]	—	200[1]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H226N	E4	—	—	—	75[1]	—	200[1]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H226NR	E4	—	—	—	75[1]	—	200[1]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H226NDS	E4	—	—	—	75[1]	—	200[1]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H226NAWK	E4	—	—	—	75[1]	—	200[1]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H326	E4	—	—	—	75	—	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H326R	E4	—	—	—	75	—	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H326DS	E4	—	—	—	75	—	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H326AWK	E4	—	—	—	75	—	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H326N	E4	—	—	—	75	—	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H326NR	E4	—	—	—	75	—	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H326NDS	E4	—	—	—	75	—	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H326NAWK	E4	—	—	—	75	—	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H266	E4	—	—	—	—	—	—	—	150[1]	—	400[1]	—	—	—	—	—	—	—	—	—	—	—	—	—
H266R	E4	—	—	—	—	—	—	—	150[1]	—	400[1]	—	—	—	—	—	—	—	—	—	—	—	—	—
H266DS	E4	—	—	—	—	—	—	—	150[1]	—	400[1]	—	—	—	—	—	—	—	—	—	—	—	—	—
H266AWK	E4	—	—	—	—	—	—	—	150[1]	—	400[1]	—	—	—	—	—	—	—	—	—	—	—	—	—
H366	E4	—	—	—	—	—	—	—	150	—	400	—	200	—	500	—	—	—	—	—	—	—	—	—
H366R	E4	—	—	—	—	—	—	—	150	—	400	—	200	—	500	—	—	—	—	—	—	—	—	—
H366DS	E4	—	—	—	—	—	—	—	150	—	400	—	200	—	500	—	—	—	—	—	—	—	—	—
H366AWK	E4	—	—	—	—	—	—	—	150	—	400	—	200	—	500	—	—	—	—	—	—	—	—	—
H366N	E4	—	—	—	—	—	—	—	150	—	400	—	200	—	500	—	—	—	—	—	—	—	—	—
H366NR	E4	—	—	—	—	—	—	—	150	—	400	—	200	—	500	—	—	—	—	—	—	—	—	—
H366NDS	E4	—	—	—	—	—	—	—	150	—	400	—	200	—	500	—	—	—	—	—	—	—	—	—
H366NAWK	E4	—	—	—	—	—	—	—	150	—	400	—	200	—	500	—	—	—	—	—	—	—	—	—
H466[2]	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HU266	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HU266R	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HU266DS	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HU266AWK	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HU366	E4	—	—	—	—	—	200	—	—	—	400	—	—	—	500	—	—	—	—	—	—	—	—	—
HU366R	E4	—	—	—	—	—	200	—	—	—	400	—	—	—	500	—	—	—	—	—	—	—	—	—
HU366DS	E4	—	—	—	—	—	200	—	—	—	400	—	—	—	500	—	—	—	—	—	—	—	—	—
HU366AWK	E4	—	—	—	—	—	200	—	—	—	400	—	—	—	500	—	—	—	—	—	—	—	—	—
HU466[2]	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[1] For corner grounded only, install neutral and use switching poles for ungrounded conductors.

[2] Not suitable for use as service equipment.

Table 24: 800 A Heavy Duty Ratings

Catalog Number	Series	120 Vac		240 Vac				480 Vac				600 Vac				Vdc			240 Vac		480 Vac		600 Vac	
		Std.	Max.	Std.		Max.		Std.		Max.		Std.		Max.		Max. hp Ratings			Std.	Max.	Std.	Max.	Std.	Max.
		1Ø	1Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	125	250	600	2Ø	2Ø	2Ø	2Ø	2Ø	2Ø
H227	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H227R	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H226AWK	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H227N	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H227NR	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H227NAWK	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H327	E4	—	—	—	100	—	250	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H327R	E4	—	—	—	100	—	250	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H327AWK	E4	—	—	—	100	—	250	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H327N	E4	—	—	—	100	—	250	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H327NR	E4	—	—	—	100	—	250	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H327NAWK	E4	—	—	—	100	—	250	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H267N	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
H267R	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
H267AWK	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
H367	E4	—	—	—	100	—	250	—	200	—	500	—	250	—	500	—	—	50	—	—	—	—	—	—
H367R	E4	—	—	—	100	—	250	—	200	—	500	—	250	—	500	—	—	50	—	—	—	—	—	—
H367AWK	E4	—	—	—	100	—	250	—	200	—	500	—	250	—	500	—	—	50	—	—	—	—	—	—
H367N	E4	—	—	—	100	—	250	—	200	—	500	—	250	—	500	—	—	50	—	—	—	—	—	—
H367NR	E4	—	—	—	100	—	250	—	200	—	500	—	250	—	500	—	—	50	—	—	—	—	—	—
H367NAWK	E4	—	—	—	100	—	250	—	200	—	500	—	250	—	500	—	—	50	—	—	—	—	—	—
HU267	E4	—	—	—	100	—	100	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
HU267R	E4	—	—	—	100	—	100	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
HU267AWK	E4	—	—	—	100	—	100	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
HU367	E4	—	—	—	100	—	100	—	—	—	500	—	—	—	500	—	—	50	—	—	—	—	—	—
HU367R	E4	—	—	—	100	—	100	—	—	—	500	—	—	—	500	—	—	50	—	—	—	—	—	—
HU367AWK	E4	—	—	—	100	—	100	—	—	—	500	—	—	—	500	—	—	50	—	—	—	—	—	—

Table 25: 1200 A Heavy Duty Ratings

Catalog Number	Series	120 Vac		240 Vac				480 Vac				600 Vac				Vdc			240 Vac		480 Vac		600 Vac	
		Std.	Max.	Std.		Max.		Std.		Max.		Std.		Max.		Max. hp Ratings			Std.	Max.	Std.	Max.	Std.	Max.
		1Ø	1Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	125	250	600	2Ø	2Ø	2Ø	2Ø	2Ø	2Ø
H228	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H228R	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H228AWK	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H228N	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H228NR	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H228NAWK	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H328	E4	—	—	—	100	—	250	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H328R	E4	—	—	—	100	—	250	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H328AWK	E4	—	—	—	100	—	250	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H328N	E4	—	—	—	100	—	250	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H328NR	E4	—	—	—	100	—	250	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H328NAWK	E4	—	—	—	100	—	250	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—	—
H268N	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
H268R	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
H268AWK	E4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
H368	E4	—	—	—	100	—	250	—	200	—	500	—	250	—	500	—	—	50	—	—	—	—	—	—
H368R	E4	—	—	—	100	—	250	—	200	—	500	—	250	—	500	—	—	50	—	—	—	—	—	—
H368AWK	E4	—	—	—	100	—	250	—	200	—	500	—	250	—	500	—	—	50	—	—	—	—	—	—
H368N	E4	—	—	—	100	—	250	—	200	—	500	—	250	—	500	—	—	50	—	—	—	—	—	—
H368NR	E4	—	—	—	100	—	250	—	200	—	500	—	250	—	500	—	—	50	—	—	—	—	—	—
H368NAWK	E4	—	—	—	100	—	250	—	200	—	500	—	250	—	500	—	—	50	—	—	—	—	—	—
HU268	E4	—	—	—	100	—	100	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
HU268R	E4	—	—	—	100	—	100	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
HU268AWK	E4	—	—	—	100	—	100	—	—	—	—	—	—	—	—	—	—	50	—	—	—	—	—	—
HU368	E4	—	—	—	100	—	100	—	—	—	500	—	—	—	500	—	—	50	—	—	—	—	—	—
HU368R	E4	—	—	—	100	—	100	—	—	—	500	—	—	—	500	—	—	50	—	—	—	—	—	—
HU368AWK	E4	—	—	—	100	—	100	—	—	—	500	—	—	—	500	—	—	50	—	—	—	—	—	—

Table 26: Specialty Switches

Catalog Number	Series	120 Vac		240 Vac				480 Vac				600 Vac				Vdc		
		Std.	Max.	Std.		Max.		Std.		Max.		Std.		Max.		Max. hp Ratings		
		1Ø	1Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	125	250	600
Fiberglass Reinforced Polyester Enclosures—NEMA Type 4X																		
H361DF	F1	—	—	1-1/2[1]	3[2]	3[1]	7-1/2[2]	3[1]	5[2]	7-1/2[1]	15[2]	—	7-1/2	—	15	—	5	15
H362DF	F1	—	—	3[1]	7-1/2[2]	10[1]	15[2]	5[1]	15[2]	20[1]	30[2]	—	15	—	50	—	10	30
H363DF	F1	—	—	7-1/2[1]	15[2]	15[1]	30[2]	10[1]	25[2]	30[1]	60[2]	—	30	—	75	—	20	50
H364DF	E1	—	—	—	25	—	60	—	50	—	125	—	60	—	150	—	40	50
HU361DF	F1	—	1[1]	—	—	5[1]	10[2]	—	—	10[1]	20[2]	—	—	—	30	3	10	15
HU362DF	F1	—	5[1]	—	—	10[1]	20[2 3]	—	—	25[1]	30[2 3]	—	—	—	60	5	10	30
HU363DF	E1	—	7-1/2	20[1]	—	—	30	—	—	40[1]	75[2 4]	—	—	—	75	7-1/2	20	50
HU364DF	E1	—	—	—	—	—	60	—	—	—	125	—	—	—	150	—	40	50
Krydon Enclosures																		
H361DX	F1	—	—	1-1/2[1]	3[2]	3[1]	7-1/2[2]	3[1]	5[2]	7-1/2[1]	15[2]	—	7-1/2	—	20	—	5[5]	15[6]
H362DX	F1	—	—	3[1]	7-1/2[2]	10[1]	15[2]	5[1]	15[2]	20[1]	30[2]	—	15	—	50	—	10[5]	30[7]
H363DX	F1	—	—	7-1/2[1]	15[2]	15[1]	30[2]	10[1]	25[2]	30[1]	60[2]	—	30	—	75	—	20[5]	50[8]
HU361DX	F1	—	3	—	—	5[1]	10[2]	—	—	10[1]	20[2]	—	—	—	30	3	10	15
HU362DX	F1	—	5	—	—	10[1]	20[2 3]	—	—	25[1]	50[2 9]	—	—	—	60	5	10	30
HU363DX	F1	—	7-1/2	—	—	20[1]	30[2]	—	—	40[1]	75[2 4]	—	—	—	75	7-1/2	20	50
NEMA Types 7 and 9 Enclosures																		
H60XFA	E1	—	—	—	15	—	—	—	30	—	—	—	50	—	—	—	—	—
H60XFA1212	E1	—	—	—	15	—	—	—	30	—	—	—	50	—	—	—	—	—
H100XFA	E1	—	—	—	30	—	—	—	60	—	—	—	75	—	—	—	—	—
H100XFA1212	E1	—	—	—	30	—	—	—	60	—	—	—	75	—	—	—	—	—
H225XKA	C2	—	—	—	60	—	—	—	125	—	—	—	150	—	—	—	—	—

1 Use outer switching poles.

2 For corner grounded only, install neutral and use switching poles for ungrounded conductors.

3 15 hp rating on corner grounded delta system.

4 60 hp rating on corner grounded delta system.

5 Standard hp rating.

6 Standard hp rating: 10 hp.

7 Standard hp rating: 25 hp.

8 Standard hp rating: 40 hp.

9 30 hp rating on corner grounded delta system.

Table 27: Receptacle Switches

Catalog Number	Series	120 Vac		240 Vac				480 Vac				600 Vac				Vdc		
		Std.	Max.	Std.		Max.		Std.		Max.		Std.		Max.		Max. hp Ratings		
		1Ø	1Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø	125	250	600
H361WA	F6	—	—	—	—	—	—	—	5	—	15	—	7-1/2	—	20	—	5[1]	—
H361DSWA	F7	—	—	—	—	—	—	—	5	—	15	—	7-1/2	—	20	—	5[1]	—
H361AWA	F5	—	—	—	—	—	—	—	5	—	15	—	7-1/2	—	20	—	5[1]	—
HU361WA	F6	—	—	—	—	—	—	—	—	—	20	—	—	—	30	—	5[1]	—
HU361DSWA	F7	—	—	—	—	—	—	—	—	—	20	—	—	—	30	—	5[1]	—
HU361AWA	F7	—	—	—	—	—	—	—	—	—	20	—	—	—	30	—	5[1]	—
H361WC	F6	—	—	—	—	—	—	3[1]	5	7-1/2[1]	15	—	7-1/2	—	20	3[1 2]	5[1]	—
H361DSWC	F7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H361AWC	F7	—	—	—	—	—	—	3[1]	5	7-1/2[1]	15	—	7-1/2	—	20	3[1 2]	5[1]	—
HU361WC	F6	—	2	—	—	5[1]	10	—	—	10[1]	20	—	—	15[1]	30	3[1]	10[1]	—
HU361DSWC	F7	—	2	—	—	5[1]	10	—	—	7-1/2[1]	20	—	—	10[1]	30	3[1]	5[1]	—
HU361AWC	F7	—	2	—	—	5[1]	10	—	—	10[1]	20	—	—	15[1]	30	3[1]	10[1]	—
H362WA	F6	—	—	—	—	—	—	—	15	—	30	—	15	—	50	—	10[1 3]	—
H362DSWA	F7	—	—	—	—	—	—	—	15	—	30	—	15	—	50	—	10[1 3]	—
H362AWA	F7	—	—	—	—	—	—	—	15	—	30	—	15	—	50	—	10[1 3]	—
HU362WA	F6	—	—	—	—	—	—	—	—	—	50	—	—	—	60	—	10[1]	—
HU362DSWA	F7	—	—	—	—	—	—	—	—	—	50	—	—	—	60	—	10[1]	—
HU362AWA	F7	—	—	—	—	—	—	—	—	—	50	—	—	—	60	—	10[1]	—
H362WC	F6	—	—	—	—	—	—	5[1]	15	20[1]	30	—	15	—	50	5[1 3]	—	10[1 3]
H362DSWC	F7	—	—	3[1]	7-1/2	10[1]	15	5[1]	15	20[1]	30	10[1]	15	25[1]	50	—	—	10[1]
H362AWC	F7	1-1/2	3	3[1]	7-1/2	10[1]	15	5[1]	15	20[1]	30	—	15	—	50	5[1 3]	—	10[1 3]
HU362WC	F6	—	5	—	—	10[1]	20	—	—	25[1]	50	—	—	30[1]	60	5[1]	10[1]	—
HU362DSWC	F7	—	5	—	—	10[1]	20	—	—	20[1]	50	—	—	25[1]	60	—	10[1]	—
HU362AWC	F7	—	5	—	—	10[1]	20[4 5]	—	—	25	50[5 6]	—	—	30[1]	60	5[1]	10[1]	—
H362WH	F5	—	—	—	—	—	—	5[1]	15	20[1]	30	—	15	—	50	—	—	—
H362AWH	F6	—	—	—	—	—	—	5[1]	15	20[1]	30	—	15	—	50	—	—	—
HU362WH	F5	—	5	—	—	10[1]	20	—	—	—	—	—	—	—	—	—	—	—
HU362AWH	F6	—	5	—	—	10[1]	20	—	—	—	—	—	—	—	—	—	—	—
H363WA	F6	—	—	—	—	—	—	—	25	—	60	—	30	—	75	—	20[1 3]	—
H363DSWA	F7	—	—	—	—	—	—	—	25	—	60	—	30	—	75	—	20[1 3]	—
H363AWA	F7	—	—	—	—	—	—	—	25	—	60	—	30	—	75	—	20[1 3]	—
HU363WA	F6	—	—	—	—	—	—	—	—	—	75	—	—	—	75	—	20[1]	—
HU363DSWA	F7	—	—	—	—	—	—	—	—	—	75	—	—	—	75	—	20[1]	—
HU363AWA	F7	—	—	—	—	—	—	—	—	—	75	—	—	—	75	—	20[1]	—
H363WC	F6	—	—	—	—	—	—	10[1]	25	30[1]	60	—	30	—	75	—	20[1 3]	—
H363DSWC	F7	—	—	—	—	—	—	—	25	—	60	—	30	—	75	—	20[1 3]	—
H363AWC	F7	—	—	—	—	—	—	10[1]	25	30[1]	30	—	30	—	75	—	20[1 3]	—
HU363WC	F6	—	—	—	—	—	—	—	—	—	75	—	—	—	75	—	20[1]	—
HU363DSWC	F7	—	10	—	—	15[1]	40[3 7]	—	—	30[1]	75	—	—	40[1]	75[3 7]	10[1]	20[1]	—
HU363AWC	F7	—	7-1/2	—	—	20[1]	30	—	—	40[1]	75	—	—	40[1]	75	7-1/2[1]	20[1]	—

1 Use both outer switching poles.

2 Two standard hp rating.

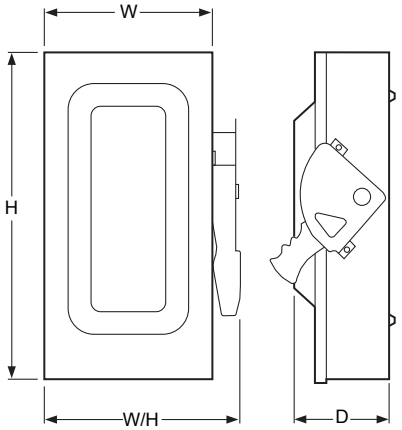
3 Standard hp rating.

4 Fifteen hp maximum on a corner grounded delta system.

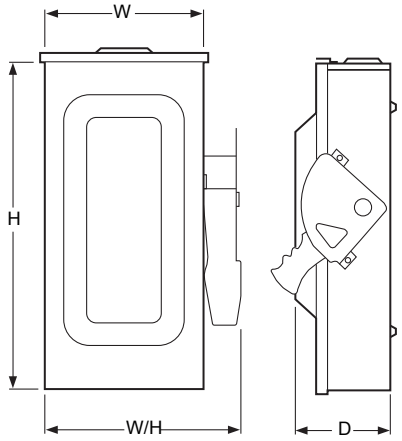
5 Not applicable for corner grounded delta.

6 Thirty hp maximum on a corner grounded delta system.

7 Use 75°C N.O. 4 Cu or N.O. 2 Al conductors.



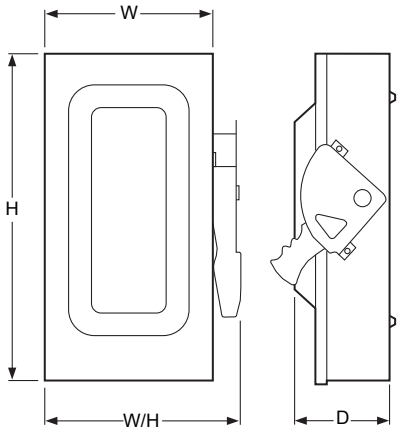
Typical NEMA Type 1



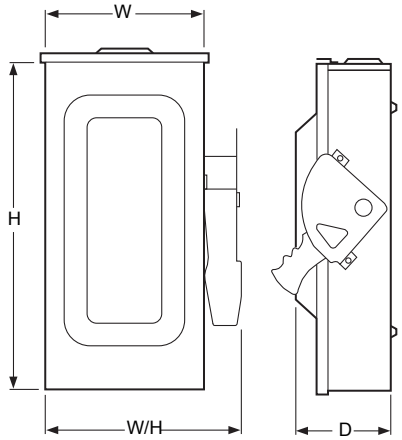
Typical NEMA Type 3R

Table 28: Dimensions

Catalog Number	Series	Approximate Dimensions							
		H		W		W/H		D	
		in.	mm	in.	mm	in.	mm	in.	mm
H221N	F5	14.60	371	6.50	165	7.55	192	4.88	124
H221NRB		14.88	378	6.63	168	7.55	192	4.88	124
H222N		14.60	371	6.50	165	7.55	192	4.88	124
H222NRB		14.88	378	6.63	168	7.55	192	4.88	124
H223N	F5	21.25	540	8.50	216	10.50	267	6.38	162
H223NRB		21.25	540	8.50	216	10.50	267	6.38	162
H224N		29.00	737	17.13	435	18.50	470	8.25	210
H224NRB		29.25	743	17.25	438	18.63	473	8.50	216
H225, N	E4	50.25	1276	27.63	702	27.63	702	10.13	257
H225NR, R		50.31	1278	27.88	708	27.88	708	10.13	257
H226, N		50.25	1276	27.63	702	27.63	702	10.13	257
H226NR, R		50.31	1278	27.88	708	27.88	708	10.13	257
H227, N	E4	69.13	1756	36.62	930	36.62	930	17.75	451
H227NR, R		69.13	1756	36.62	930	36.62	930	17.75	451
H228, N		69.13	1756	36.62	930	36.62	930	17.75	451
H228NR, R		69.13	1756	36.62	930	36.62	930	17.75	451
H265	E4	50.25	1276	27.63	702	27.63	702	10.13	257
H265R		50.31	1278	27.88	708	27.88	708	10.13	257
H266		50.25	1276	27.63	702	27.63	702	10.13	257
H266R		50.31	1278	27.88	708	27.88	708	10.13	257
H267	E4	69.13	1756	36.62	930	36.62	930	17.75	451
H267R		69.13	1756	36.62	930	36.62	930	17.75	451
H268		69.13	1756	36.62	930	36.62	930	17.75	451
H268R		69.13	1756	36.62	930	36.62	930	17.75	451
H321N	F5	14.60	371	6.50	165	7.55	192	4.88	124
H321NRB		14.88	378	6.63	168	7.55	192	4.88	124
H322N		14.60	371	6.50	165	7.55	192	4.88	124
H322NRB		14.88	378	6.63	168	7.55	192	4.88	124
H323N	F5	21.25	540	8.50	216	10.50	267	6.38	162
H323NRB		21.25	540	8.50	216	10.50	267	6.38	162
H324N		29.00	737	17.13	435	18.50	470	8.25	210
H324NRB		29.25	743	17.25	438	18.63	473	8.50	216
H325, N	E4	50.25	1276	27.63	702	27.63	702	10.13	257
H325R, NR		50.31	1278	27.88	708	27.88	708	10.13	257
H326, N		50.25	1276	27.63	702	27.63	702	10.13	257
H326R, NR		50.31	1278	27.88	708	27.88	708	10.13	257
H327, N	E4	69.13	1756	36.62	930	36.62	930	17.75	451
H327R, NR		69.13	1756	36.62	930	36.62	930	17.75	451
H328, N		69.13	1756	36.62	930	36.62	930	17.75	451
H328R, NR		69.13	1756	36.62	930	36.62	930	17.75	451
H361, N	F5	14.60	371	6.50	165	7.55	192	4.88	124
H361-2		17.50	445	9.00	229	10.50	267	6.38	162
H361NRB, RB		14.88	378	6.63	168	7.55	192	4.88	124
H361WA	F6	18.19	462	9.00	229	10.50	267	6.81	173
H361WC		18.19	462	9.00	229	10.50	267	6.81	173
H362, N	F5	17.50	445	9.00	229	10.50	267	6.38	162
H362NRB, RB		17.50	445	9.00	229	10.50	267	6.38	162
H362WA	F6	18.19	462	9.00	229	10.50	267	6.81	173
H362WC		16.75	425	9.00	229	10.50	267	7.00	178
H362WH	F5	18.19	462	9.00	229	10.50	267	6.81	173
H363, N		21.25	540	8.50	216	10.50	267	6.38	162
H363NRB, RB		21.25	540	8.50	216	10.50		6.38	162
H363WA	F6	21.85	462	9.00	229	10.50	267	6.81	173
H363WC		21.85	555	9.00	229	10.50	267	6.81	173



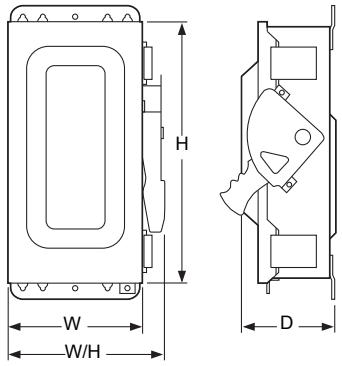
Typical NEMA Type 1



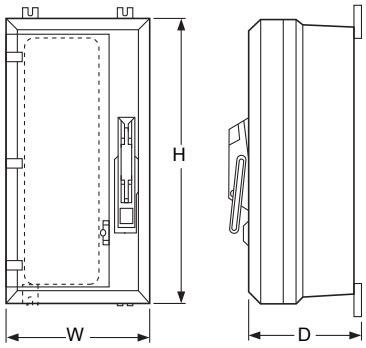
Typical NEMA Type 3R

Table 29: Dimensions

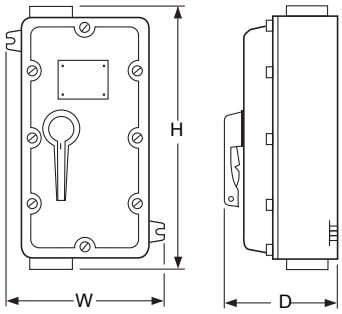
Catalog Number	Series	Approximate Dimensions							
		H		W		W/H		D	
		in.	mm	in.	mm	in.	mm	in.	mm
H364	F5	29.00	737	17.13	435	18.50	470	8.25	210
H364N		29.00	737	17.13	435	18.50	470	8.25	210
H364NRB		29.25	743	17.25	438	18.63	473	8.50	216
H364RB		29.25	743	17.25	438	18.63	473	8.50	216
H365, N	E4	50.25	1276	27.63	702	27.63	702	10.13	257
H365R, NR		50.31	1278	27.88	708	27.88	708	10.13	257
H366, N		50.25	1276	27.63	702	27.63	702	10.13	257
H366NR, R		50.31	1278	27.88	708	27.88	708	10.13	257
H367, N	E4	69.13	1756	36.62	930	36.62	930	17.75	451
H367NR, R		69.13	1756	36.62	930	36.62	930	17.75	451
H368, N		69.13	1756	36.62	930	36.62	930	17.75	451
H368NR, R		69.13	1756	36.62	930	36.62	930	17.75	451
H461	F5	20.50	521	14.75	375	16.13	410	17.75	451
H462		20.50	521	14.75	375	16.13	410	17.75	451
H463		20.50	521	14.75	375	16.13	410	17.75	451
H464		29.00	737	23.25	591	24.88	632	8.75	222
H465	E4	50.25	1276	33.88	861	33.88	861	10.13	257
H466		50.31	1278	27.88	708	27.88	708	10.13	257
HU265		50.25	1276	27.63	702	27.63	702	10.13	257
HU265R		50.31	1278	27.88	708	27.88	708	10.13	257
HU266	E4	50.25	1276	27.63	702	27.63	702	10.13	257
HU266R		50.31	1278	27.88	708	27.88	708	10.13	257
HU267		69.13	1756	36.62	930	36.62	930	17.75	451
HU267R		69.13	1756	36.62	930	36.62	930	17.75	451
HU268	E4	69.13	1756	36.62	930	36.62	930	17.75	451
HU268R		69.13	1756	36.62	930	36.62	930	17.75	451
HU361	F5	14.60	371	6.50	165	7.55	192	4.88	124
H361RB		14.88	378	6.63	168	7.55	192	4.88	124
HU362	F5	17.75	445	9.00	229	10.50	267	6.38	162
HU362RB		21.25	540	8.50	216	10.50	267	6.38	162
HU362WH		21.25	540	8.50	216	10.50	267	6.38	162
HU363		21.25	540	8.50	216	10.50	267	6.38	162
HU363RB	F5	21.25	540	8.50	216	10.50	267	6.38	162
HU364		29.00	737	17.13	435	18.50	470	8.25	210
HU364RB		29.25	743	17.25	438	18.63	473	8.50	216
HU365	E4	50.25	1276	27.63	702	2763	702	10.13	257
HU365R		50.31	1278	27.88	708	27.88	708	10.13	257
HU366		50.25	1276	27.63	702	27.63	702	10.13	257
HU366R		50.31	1278	27.88	708	27.88	708	10.13	257
HU367		69.13	1756	36.62	930	36.62	930	17.75	451
HU367R	F5	69.13	1756	36.62	930	36.62	930	17.75	451
HU368		69.13	1756	36.62	930	36.62	930	17.75	451
HU368R		69.13	1756	36.62	930	36.62	930	17.75	451
HU461	F6	20.50	521	14.75	375	16.13	410	6.85	174
HU462		20.50	521	14.75	375	16.13	410	6.85	174
HU463	F5	20.50	521	14.75	375	16.13	410	6.85	174
HU464		29.00	737	23.25	591	24.88	632	8.75	222
HU465	E4	50.25	1276	33.88	861	33.88	861	10.13	257
HU466		50.25	1276	33.88	861	33.88	861	10.13	257



Typical NEMA Types 4, 4X, 5, 12, and 12K



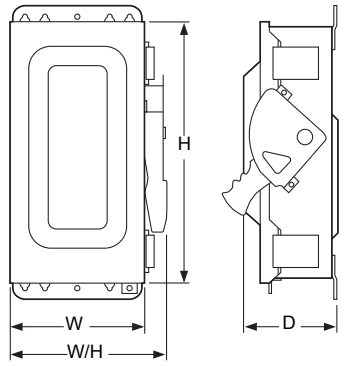
Typical NEMA Type 4X Fiberglass Reinforced Polyester and Krydon



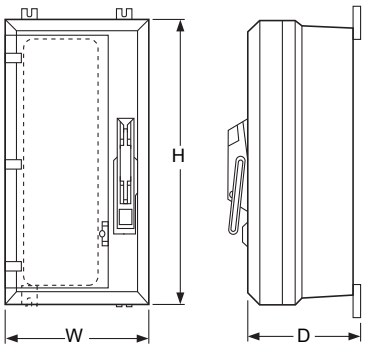
Typical NEMA Types 7 and 9

Table 30: Dimensions

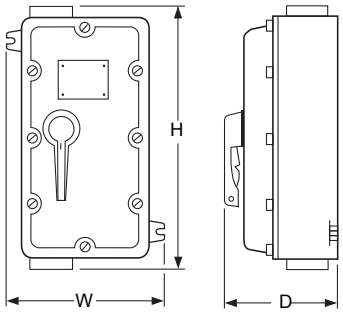
Catalog Number	Series	Approximate Dimensions							
		H		W		W/H		D	
		in.	mm	in.	mm	in.	mm	in.	mm
H461AWK	F6	20.50	521	14.75	375	6.80	173		
H461DS		20.82	529	15.08	383	6.80	173	6.96	177
H462AWK		20.50	521	14.75	375	6.13	156	6.96	177
H462DS		20.82	529	15.08	383	6.80	173		
H221AWK, A	F6	14.60	371	6.63	168	7.55	192	4.96	125
H221DS		14.93	379	7.22	183	8.67	220	5.11	130
H221-2AWK		16.50	419	9.00	229	10.50	267	7.00	178
H222AWK, A	F6	14.60	371	6.63	168	7.55	192	4.96	125
H222DS		14.93	379	7.22	183	8.67	220	5.11	130
H223AWK, A		20.50	521	9.00	229	10.50	267	7.00	178
H223DS		20.82	529	9.36	238	11.25	286	6.97	177
H224AWK, A	F6	29.00	737	17.25	438	18.63	473	8.75	216
H224DS		29.00	737	17.75	451	19.25	489	8.88	226
H225AWK, DS	E4	46.25	1175	26.25	667	26.25	667	10.13	259
H225NAWK, NDS		46.25	1175	26.25	667	26.25	667	10.13	259
H225XKA	C2	22.56	573	10.88	276	10.88	276	7.75	197
H226AWK, DS	E4	46.25	1175	26.25	667	26.25	667	10.13	259
H226NAWK, NDS		46.25	1175	26.25	667	26.25	667	10.13	259
H227AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451
H228AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451
H265AWK, DS	E4	46.25	1175	26.25	667	26.25	667	10.13	259
H266AWK, A, DS		46.25	1175	26.25	667	26.25	667	10.13	259
H267AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451
H268AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451
H321AWK, A	F6	14.60	1756	6.63	168	7.55	192	4.96	125
H321DS		14.93	379	7.22	183	8.67	220	5.11	130
H322AWK, A		14.60	371	6.63	168	7.55	192	4.96	125
H322DS		14.93	379	7.22	183	8.67	220	5.11	130
H323AWK, A	F6	20.50	521	9.00	229	10.50	267	7.00	178
H323DS		20.82	529	9.36	238	11.25	286	6.97	177
H324AWK, A, DS	E4	29.00	737	17.25	438	18.63	473	8.75	216
H325AWK, DS		46.25	1175	26.25	667	26.25	667	10.13	259
H325NAWK, NDS		46.25	1175	26.25	667	26.25	667	10.13	259
H326AWK, DS	E4	46.25	1175	26.25	667	26.25	667	10.13	259
H326NAWK, NDS		46.25	1175	26.25	667	26.25	667	10.13	259
H327AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451
H328AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451
H361AWA	F7	16.50	419	9.00	229	10.50	267	7.00	178
H361AWC		16.50	419	9.00	229	10.50	267	7.00	178
H361AWK, A, DS	F6	14.60	371	6.63	168	7.55	192	4.96	125
H361DF	F1	16.50	419	11.00	279	11.00	279	8.80	224
H361DX		19.40	493	11.40	290	11.40	290	8.60	218
H361-2AWK, A	F6	16.50	419	9.00	229	10.50	267	7.00	178
H362AWK, A	F7	16.50	419	9.00	229	10.50	267	7.00	178
H362DS		16.87	428	8.92	227	10.81	275	6.97	177
H362AWA		16.50	419	9.00	229	10.50	267	7.00	178
H362AWC		16.50	419	9.00	229	10.50	267	7.00	178
H362AWH	F6	16.50	419	9.00	229	10.50	267	7.00	178
H364, N	F5	29.00	737	17.13	436	18.50	470	10.13	257
H364RB, NRB		29.25	743	17.25	438	18.63	473	8.50	216
H365, N	E4	50.25	1276	27.63	702	27.63	702	10.13	257
H365R, NR		50.31	1278	27.88	708	27.88	708	10.13	257
H366, N		50.25	1276	27.63	702	27.63	702	10.13	257
H366NR, R		50.31	1278	27.88	708	27.88	708	10.13	257
H367, N	E4	69.13	1756	36.62	930	36.62	930	17.75	451
H367NR, R		69.13	1756	36.62	930	36.62	930	17.75	451
H368, N		69.13	1756	36.62	930	36.62	930	17.75	451
H368NR, R		69.13	1756	36.62	930	36.62	930	17.75	451



Typical NEMA Types 4, 4X, 5, 12, and 12K



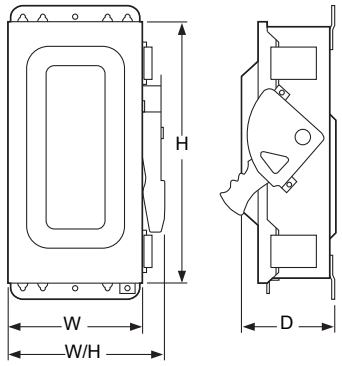
Typical NEMA Type 4X Fiberglass Reinforced Polyester and Krydon



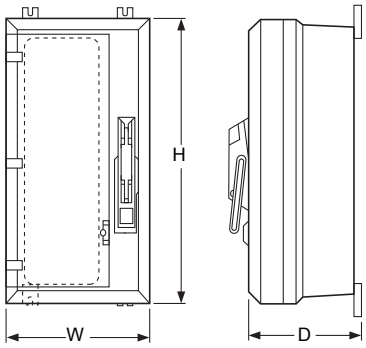
Typical NEMA Types 7 and 9

Table 31: Dimensions

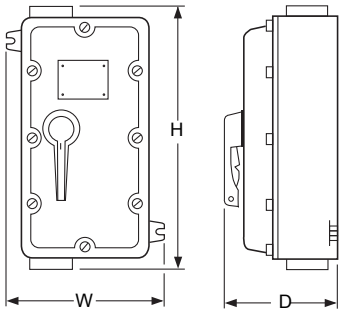
Catalog Number	Series	Approximate Dimensions							
		H		W		W/H		D	
		in.	mm	in.	mm	in.	mm	in.	mm
H60XFA	E1	15.93	405	9.87	251	9.87	251	6.96	177
H100XFA		15.93	405	9.87	251	9.87	251	6.96	177
H221AWK, A	F6	14.60	371	6.63	168	7.55	192	4.96	125
H221DS		14.93	379	7.22	183	8.67	220	5.11	130
H221-2AWK		16.50	419	9.00	229	10.50	267	7.00	178
H222AWK, A	F6	14.60	371	6.63	168	7.55	192	4.96	125
H222DS		14.93	379	7.22	183	8.67	220	5.11	130
H223AWK, A		20.50	521	9.00	229	10.50	267	7.00	178
H223DS		20.82	529	9.36	238	11.25	286	6.97	177
H224AWK, A	F6	29.00	737	17.25	438	18.63	473	8.75	216
H224DS		29.00	737	17.75	451	19.25	489	8.88	226
H225AWK, DS	E4	46.25	1175	26.25	667	26.25	667	10.13	259
H225NAWK, NDS		46.25	1175	26.25	667	26.25	667	10.13	259
H225XKA	C2	22.56	573	10.88	276	10.88	276	7.75	197
H226AWK, DS	E4	46.25	1175	26.25	667	26.25	667	10.13	259
H226NAWK, NDS		46.25	1175	26.25	667	26.25	667	10.13	259
H227AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451
H228AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451
H265AWK, DS	E4	46.25	1175	26.25	667	26.25	667	10.13	259
H266AWK, A, DS		46.25	1175	26.25	667	26.25	667	10.13	259
H267AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451
H268AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451
H321AWK, A	F6	14.60	1756	6.63	168	7.55	192	4.96	125
H321DS		14.93	379	7.22	183	8.67	220	5.11	130
H322AWK, A		14.60	371	6.63	168	7.55	192	4.96	125
H322DS		14.93	379	7.22	183	8.67	220	5.11	130
H323AWK, A	F6	20.50	521	9.00	229	10.50	267	7.00	178
H323DS		20.82	529	9.36	238	11.25	286	6.97	177
H324AWK, A, DS	E4	29.00	737	17.25	438	18.63	473	8.75	216
H325AWK, DS		46.25	1175	26.25	667	26.25	667	10.13	259
H325NAWK, NDS		46.25	1175	26.25	667	26.25	667	10.13	259
H326AWK, DS	E4	46.25	1175	26.25	667	26.25	667	10.13	259
H326NAWK, NDS		46.25	1175	26.25	667	26.25	667	10.13	259
H327AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451
H328AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451
H361AWA	F7	16.50	419	9.00	229	10.50	267	7.00	178
H361AWC		16.50	419	9.00	229	10.50	267	7.00	178
H361AWK, A	F6	14.60	371	6.63	168	7.55	192	4.96	125
H361DS		14.93	379	7.22	183	8.67	220	5.11	130
H361DF	F1	16.50	419	11.00	279	11.00	279	8.80	224
H361DX		19.40	493	11.40	290	11.40	290	8.60	218
H361-2AWK, A	F6	16.50	419	9.00	229	10.50	267	7.00	178
H362AWK, A		16.50	419	9.00	229	10.50	267	7.00	178
H362DS		16.87	428	8.92	227	10.81	275	6.97	177
H362AWA	F6	16.50	419	9.00	229	10.50	267	7.00	178
H362AWC		16.50	419	9.00	229	10.50	267	7.00	178
H362AWH		16.50	419	9.00	229	10.50	267	7.00	178
H364, N	F5	29.00	737	17.13	436	18.50	470	10.13	257
H364RB, NRB		29.25	743	17.25	438	18.63	473	8.50	216
H365, N	E4	50.25	1276	27.63	702	27.63	702	10.13	257
H365R, NR		50.31	1278	27.88	708	27.88	708	10.13	257
H366, N		50.25	1276	27.63	702	27.63	702	10.13	257
H366R, NR		50.31	1278	27.88	708	27.88	708	10.13	257
H367AWK, NAWK	E4	69.13	1756	36.62	930	36.62	930	17.75	451
H368AWK, NAWK		69.13	1756	36.62	930	36.62	930	17.75	451



Typical NEMA Types 4, 4X, 5, 12, and 12K



Typical NEMA Type 4X Fiberglass Reinforced Polyester and Krydon



Typical NEMA Types 7 and 9

Table 32: Dimensions

Catalog Number	Series	Approximate Dimensions							
		H		W		W/H		D	
		in.	mm	in.	mm	in.	mm	in.	mm
H461AWK H462AWK H462DS H463AWK	F6	20.50 20.50 20.82 20.50	521 521 529 521	14.75 14.75 15.08 14.75	375 375 383 375	16.13 16.13 16.85 16.13	410 410 428 410	6.80 6.80 6.97 6.80	173 173 177 173
H463DS H464AWK H464DS	F6	20.82 29.00 29.00	529 737 737	15.08 23.25 23.75	383 591 603	16.85 24.88 25.25	428 632 641	6.97 8.75 8.88	177 222 226
H465AWK	E4	46.25	1175	32.50	826	32.50	826	10.13	259
H663AWK H663DS H664AWK H664DS	F6	20.50 20.82 29.00 29.00	521 529 737 737	14.75 15.08 23.25 23.75	375 383 591 603	16.13 16.85 24.88 25.25	410 428 632 641	6.80 6.97 8.75 8.88	173 177 222 226
HU265AWK,DS HU266AWK, DS HU267AWK HU268AWK	E4	46.25 46.25 69.13 69.13	1175 1175 1756 1756	26.25 26.25 36.62 36.62	667 667 930 930	26.25 26.25 36.62 36.62	667 667 930 930	10.13 10.13 17.75 17.75	259 259 451 451
HU361AWK, A HU361DS	F6	14.60 14.93	371 379	6.63 7.22	168 183	7.55 8.67	192 220	4.96 5.11	125 130
HU361DSWA HU361DSWC	F7	16.87 16.87	428 428	8.92 8.92	227 227	10.81 10.79	275 274	5.11 5.11	130 130
HU361DF HU361DX	F1	16.50 19.40	419 493	11.00 11.40	279 290	11.00 11.40	279 290	8.80 8.60	224 218
HU362AWH HU362AWK, A HU362DS	F6	16.50 16.50 16.87	419 419 428	9.00 9.00 8.92	229 229 227	10.50 10.50 10.81	267 267 265	7.00 7.00 6.97	178 178 177
HU362DSWA HU362DSWC	F7	16.87 16.87	428 428	8.92 8.92	227 227	10.81 10.79	275 274	5.11 5.11	130 130
HU362DF HU362DX	F1	16.50 19.40	419 493	11.00 11.40	279 290	11.00 11.40	279 290	8.80 8.60	224 218
HU363AWA HU363AWC	F7	20.50 20.50	521 521	9.00 9.00	229 229	10.50 10.50	267 267	7.00 7.00	178 178
HU363AWK, A HU363DS	F6	20.50 20.82	521 529	9.00 9.36	229 238	10.50 11.25	267 286	7.00 6.97	178 177
HU363DF HU363DX	F1	24.80 25.25	630 641	13.70 11.40	348 290	13.70 11.40	348 290	12.00 8.60	305 218
HU364DF	E1	31.30	795	26.30	668	26.30	668	11.80	300
HU364AWK, A HU364DS, SS	F6	29.00 29.00	737 737	17.25 17.75	438 451	18.63 19.25	473 489	8.75 8.88	216 226
HU365AWK, DS HU366AWK, DS HU367AWK HU368AWK	E4	46.25 46.25 69.13 69.13	1175 1175 1756 1756	26.25 26.25 36.62 36.62	667 667 930 930	26.25 26.25 36.62 36.62	667 667 930 930	10.13 10.13 17.75 17.75	259 259 451 451
HU461AWK HU461DS HU462AWK HU462DS	F6	20.50 20.82 20.50 20.82	521 529 521 529	14.75 15.08 14.75 15.08	375 383 375 383	16.13 16.85 16.13 16.85	410 428 410 428	6.80 6.97 6.80 6.97	173 177 173 177
HU463AWK HU463DS HU464AWK HU464DS	F6	20.50 20.82 29.00 29.00	521 529 737 737	14.75 15.08 17.25 17.75	375 383 438 451	16.13 16.85 18.63 19.25	410 428 473 489	6.80 6.97 8.75 8.88	173 177 216 226
HU465AWK	E4	46.25	1175	32.50	826	32.50	826	10.13	259
H663AWK H663DS H664AWK H664DS, RWK	F6	20.50 20.82 29.00 29.00	521 529 737 737	14.75 15.08 23.25 23.75	375 383 591 603	16.13 16.85 24.88 25.25	410 428 632 641	6.80 6.97 8.75 8.88	173 177 222 226

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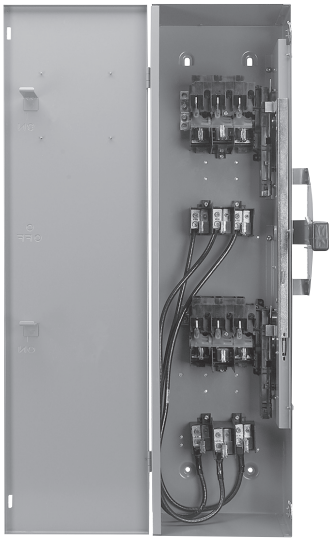


30–100 A DT, DTU (Series F)
NEMA Type 1

82,000 Line
NEMA Type 1

Product Description

Double throw safety switches are designed to transfer a load from one power source to another power source. 30–100 A F Series switches can be field-converted to transfer a power source from one load to another.

Construction

- Modular-design switch handle, lock -plate, and switch mechanism; line and load bases are available for field replacement
- Meets NEMA hp ratings
- UL Listed short circuit current ratings up to 200 ka (using Class R, J, or T fuses see UL Listed Short Circuit Current Ratings table on page 45)
- UL Listed as suitable for use as service equipment
- Fusible and non-fusible switches available
- May be padlocked in the “ON” or “OFF” position
- Padlock provisions in the center “OFF” position on 82,000, 92,000, DT, and DTU lines
- Padlock provisions in both “ON” positions on 92,000 line
- Visible blades for positive indication that the switch is “OFF”
- Electrical interlock and neutral assembly (for two- and three-pole switches) kit is available for field-installation
- Quick-make, quick-break operating mechanism on F Series, 82,000, DT, and DTU lines. Load make/break
- Slow-make, slow-break operating mechanism on 92,000 line. Non-load make/break
- Lugs suitable for aluminum or copper conductors. See page 46 for additional lug data
- Dual cover interlock on DT and DTU F Series and NEMA Type 1 82,000 line E Series devices, with defeat mechanism
- NEMA Type 3R top endwalls on 30–200 A switches have bolt-on hub provisions
- Tangential knockouts alleviate the need for conduit offsets or bends
- Type 304 Stainless Steel (NEMA Types 4, 4X, and 5)

Enclosures

- Indoor general purpose (NEMA Type 1)
- Outdoor general purpose (NEMA Type 3R)
- Indoor dusttight, driptight (NEMA Type 12)
- Indoor, outdoor watertight, dusttight (NEMA Types 4, 4X, and 5)
- Gray baked enamel finish electrodeposited on clean, phosphatized steel (NEMA Types 1, 3R, and 12)

82,000 Line
NEMA Type 1

Accessories

- Bolt-on hubs for rainproof applications. Switches with RB suffix accept 3/4 in. through 2-1/2 in. bolt-on hubs. Switches with R suffix have blank endwalls and accept 3 in. through 4 in. bolt-on hubs.
- Equipment grounding kits available for field-installation.
- Field- or factory-installed (depending on series) electrical interlocks (2 N.O./2 N.C. contacts). F Series electrical interlocks are available for field- or factory-installation.
- Factory-installed neutral assembly. DTU devices (E Series only) are supplied with factory-installed insulated, grounded, and bonded neutral assembly.
- Lock-on provisions are standard on DT, DTU (F Series) and 92,000 line switches. Available as an option for factory-installation on DTU (E Series) and 82,000 line switches.

Application

Double throw safety switches are designed for:

- Residential, light commercial, and industrial installations
- Up to 600 V dc and 600 Vac maximum
- Up to 100,000 rms symmetrical amperes
- 30–600 A
- NEMA Types 1, 3R, 4, 4X, 5, or 12 enclosures

NOTE: Diagrams 1 and 2 illustrate methods of applying fuses to non-fusible double throw switches when required.

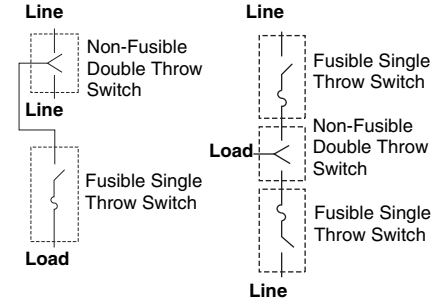


Diagram 1 **Diagram 2**

Table 33: UL Listed Short Circuit Current Ratings

Switch Type	Ampere Rating	Voltage Rating	UL Listed Fuse Class	Short Circuit Current Rating [1] (A)
Type DT (Series F)	30–100 A	240 V or 600 V	H, K	10,000
			R, J	200,000
Type DTU [2] (Series F)	30–100 A	240 V or 600 V	H or K	10,000 [3]
			R, J or T	200,000
DTU224NRB	200 A	240 V	H, K	10,000 [3]
DTU324N and DTU324NRB (Series E)	200 A	240 V	H, K	10,000 [3]
			R, J	100,000
Type 82,000	all	240 V	H, K	10,000 [3]
			R, J	100,000 [4]
		600 V	H, K	10,000 [3]
Type DTU (A Series)	600 A	240 V or 600 V	H, K	10,000
			R, J, T	100,000

1 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 above 100 A.

2 30–100 A switches 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 30–100 A maximum or (B) 14 kA, 600 Vac maximum when protected by Type FA circuit breaker rated 30–100 A maximum.

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

4 400 A 82,000 switch is only 10 kA.

Standards

Double throw safety switches are manufactured in accordance with standards published in:

- UL 98, Standard for Enclosed and Dead Front Switches; UL Listed under File E2875
- NEMA Standards Publication KS1-2001 Enclosed and Miscellaneous Distribution Equipment Switches (600 Volts Maximum)

Table 34: Systems

Switch Type	Non-Fusible Poles	Neutral	Load Make/Break Rated
DT, DTU	2 or 3	Field-installable [1]	Yes
82,000 Line	2, 3, or 4	Factory-installed only	Yes
92,000 Line	2, 3, or 4	Factory-installed only	No

[1] Neutrals are insulated and may be bonded.

Technical Data

Table 35: Terminal Lug Data for Type DT, DTU (Series F) Double Throw Safety Switches

Switch	Wires per Phase	NEMA Types 1, 3R, 4, 4X, 12			Optional Copper Lugs
		Wire Range Wire Bending Space Per NEC Table 373-6 AWG/kcmil	Standard Lug Wire Range AWG/kcmil	Optional Compression Lug Field-Installed	
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 [1]	Refer to Digest for selection.
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 [2]	Refer to Digest for selection.

[1] Thomas and Betts® catalog numbers.

[2] Hubbell Versa-Crimp® catalog numbers.

Table 36: Terminal Lug Data for Types 82,000 and for A and E-Series DTU devices [1]

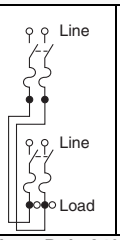
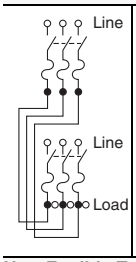
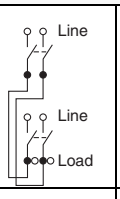
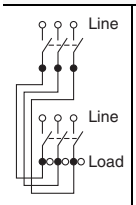
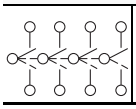
Switch	Wires per Phase	Wire Range Wire Bending Space Per NEC Table 373-6 AWG/kcmil	Lug Wire Range AWG/kcmil	Optional Compression Lugs Field-Installed
30 A (Series T4) [2]	1	14–8 Al/Cu	12–2 Al or 14–2 Cu	—
200	1	6–300 Al/Cu	6–300 Al/Cu	VCEL030516H1 [3]
400	1 or 2	1/0–600 Al/Cu or 1/0–300 Al/Cu	1/0–600 Al/Cu	—
600	2	250–500 Al/Cu	250–500 Al/Cu	—

[1] 200–600 A switches suitable for 75°C conductors.

[2] 30 A switches suitable for 60°C or 75°C conductors.

[3] Hubbell Versa-Crimp catalog numbers.

Table 37: 240 Volt

System	Rating (A)	Current Series	NEMA Type 1	NEMA Type 3R	NEMA Types 4,4X,5 304 Stainless Steel	NEMA Type 12 Gasketed	Horsepower Ratings [1] [2]				
							240 Vac				250 V dc [3]
							Std.		Max.		
			Catalog Number				1Ø	3Ø	1Ø	3Ø	
Fusible Two-Pole 240 Vac 250 V dc											
	100	F	DT223	DT223RB	—	—	7.5	15 [4]	15	30 [4]	20
Three-Pole 240 Vac 250 V dc											
	30	F	DT321	DT321RB	—	—	1.5 [5]	3 [4]	3 [5]	7.5 [4]	5
	60		DT322	DT322RB			3 [5]	7.5 [4]	10 [5]	15 [4]	10
	100		DT323	DT323RB			7.5 [5]	15 [4]	15 [5]	30 [4]	20
Non-Fusible Two-Pole 240 Vac 250 V dc											
	60	F	DTU222	—	—	—	—	—	10	—	10 [6]
	100		DTU223	DTU223RB					15		20 [6]
	30	T4	92251 [7]	—	—	—	—	—	—	—	—
	200	E	82254 [8]	DTU224NRB [7] [8] [9]	—	H82254	15	—	—	—	—
	—	—	—	—	—	—	15	—	—	—	—
	400	A	82255 [7] [8]	82255R [7]	—	H82255 [7]	—	—	—	—	—
Three-Pole 240 Vac 250 V dc											
	30	F	DTU321	—	—	—	—	3 [4]	5 [5]	10 [4]	5 [6]
	60		DTU322	—				—	10 [5]	15 [4]	10 [6]
	100		DTU323	DTU323RB				—	15 [5]	30 [4]	20 [6]
	30	T4	92351 [7]	—	—	—	—	—	—	—	—
	200	E	82354 [7]	DTU324NRB [7] [9]	—	H82354 [7] [10]	—	15	—	—	—
	200	E	DTU324N [7] [9]	—	—	—	—	15	—	—	—
	400	A	82355 [7] [8]	82355R [7] [8]	—	H82355 [7] [8]	—	—	—	—	—
	600	A	DTU326	DTU326R	—	—	—	125	—	—	50
Four-Pole 240 Vac											
	30	T4	92451 [7]	—	—	—	—	—	—	—	—
	200	E	82454	82454R [8]	—	H82454 [11]	—	15 [11]	—	—	—
	400	A	82455 [8]	82455R	—	H82455	—	—	—	—	—
	600	A	DTU426	DTU426R	—	—	—	125	—	—	50

1 Refer to page 7-31 of Digest 175 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.

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

3 For switching dc, use two switching poles.

4 If used on corner grounded delta systems, install neutral and use outer switching pole for ungrounded conductors.

5 Use outer switching poles.

6 Maximum rating.

7 240 Vac only.

8 250 V dc rated.

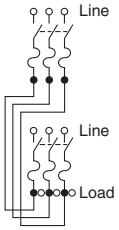
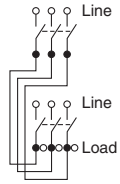
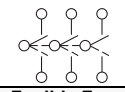
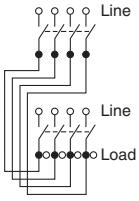
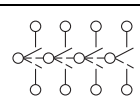
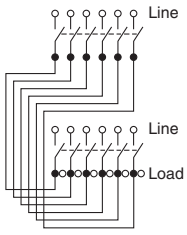
9 Neutral included with device.

10 Suitable for use as service equipment.

11 Hp rating applies only to H82454.

Double Throw Safety Switches

Table 38: 600 V

System	Rating (A)	Current Series	NEMA Type 1	NEMA Type 3R	NEMA Type 4,4X,5 304 Stainless Steel	NEMA Type 12 Gasketed	Horsepower Ratings [1] [2]							
							240 Vac		480 Vac		600 Vac		V dc [3]	
							std	max	std	max	std	max	250	600
			Catalog Number				3Ø	3Ø	3Ø [3]	3Ø [3]	3Ø	3Ø		
Fusible Three-Pole 600 Vac 600 V dc														
	30	F	DT361	DT361RB	—	—	—	—	5	15	7.5	20	5	15
	60	F	DT362	DT362RB	—	—	—	—	15	30	15	50	—	30
	100	F	DT363	DT363RB	—	—	—	—	25	60	30	75	—	50
Non-Fusible Three-Pole 600 Vac 600 V dc							1Ø [4]	3Ø [3]	1Ø [4]	3Ø [3]	1Ø [4]	3Ø		
	30	F	DTU361	DTU361RB	—	—	5	10	7.5	20	10	30	5	15
	60	F	DTU362	DTU362RB	DTU362DS	DTU362AWK [5]	10	20 [6]	25	50 [7]	30	60 [7]	10	30
	100	F	DTU363	DTU363RB	DTU363DS	DTU363AWK [5]	20	40 [8]	40	75 [8 9]	40	75 [8]	20	50
	200	E	82344 [10 11]	82344RB [10 11]	82344DS [10 12]	H82344 [10 13 14]	—	—	—	15 [14]	—	—	—	—
	400	A	82345 [11]	82345R [11 15]	82345DS [11]	H82345	—	—	—	—	—	—	—	—
	600	A	DTU366 [11]	DTU366R [11]	—	DTU366AWK [11]	—	125	—	250	—	350	50	—
Non-Fusible Four-Pole 600 Vac 600 V dc							2Ø	3Ø	2Ø	3Ø	2Ø	3Ø		
	60	F	DTU462	Use NEMA	DTU462DS	DTU462AWK [5]	20	20	40	50	50	60	10	30
	100	F	DTU463	Type 12	DTU463DS	DTU463AWK [5]	30	40	50	75	50	75	20	30
	200	E	82444 [11]	82444R [11]	82444DS [11]	H82444 [10 11 13]	—	—	—	—	—	—	—	—
	400	A	82445 [11 15]	82445R [15]	—	H82445 [15]	—	—	—	—	—	—	—	—
	600	A	DTU466 [11]	DTU466R [11]	—	—	—	125	—	250	—	350	50	—
Non-Fusible Six-Pole 600 Vac 600 V dc							1Ø	3Ø	1Ø	3Ø	1Ø	3Ø		
	60	F	—	—	—	DTU662AWK [5]	—	20	—	50	—	60	10	30
	100	F	—	—	—	DTU663AWK [5]	—	40	—	75	—	75	20	50

1 Refer to page 7-31 of Digest 175 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.

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

3 If used on corner grounded delta systems, install neutral and use outer switching pole for ungrounded conductors.

4 Use outer switching poles.

5 Complete rating on switch is NEMA Types 3R or 12. For 3R applications, remove drain screw from bottom endwall.

6 Maximum Hp is 15 for corner grounded delta systems.

7 Use 75°C #4 Cu or #2 Al conductors only.

8 Use 75°C #1 Cu conductors only.

9 Maximum Hp is 60 for corner grounded delta systems.

10 **480 Vac maximum only, 250 V dc.**

11 **250 V dc rated.**

12 **Not UL Listed.**

13 **Not suitable for use as service equipment.**

14 Standard Hp rating.

15 **600 Vac max.**

Service Grounding Kit

Field-installed equipment grounding kits are required for service equipment use.

Table 39: Service Grounding Kit

Switch	Field-Installed Service Grounding Lug Kit Catalog Number	Terminal Data AWG/kcmil
30–60 A Types DT or DTU (Series F)	Included	(3) 14–2 Cu/Al
100 A Types DT or DTU (Series F)	Included	(3) 14–1/0 Cu/Al
30 A Type 92,000	DT30SG	(4) 14–4 Cu/Al
200 A Type 82000 and DTU (Series E)	DT100SG	(3) 14–1/0 Cu/Al
400 A Type 82000	PKOGTA2 (2 required)	(4) 10–2/0 Cu or (4) 6–2/0 Al
600 A Type 82000 (Series A)	DS468GKD	6–250kcmil

Solid Neutral Assembly

- Factory- or field-installed 30, 60, 100, 400, and 600 A switches UL Listed
- Factory-installed on 200 A 82,000 Series switches. Not UL Listed

NOTE: To order, add suffix “N” to standard catalog number.

Table 40: Neutral Assembly

Switch	Field-Installed Standard Neutral Kit Catalog Number	Terminal Data AWG/kcmil	Field-Installed Copper only Neutral Kit Catalog Number	Terminal Data AWG/kcmil
30–100 A Type DT, DTU (Series F) (2- and 3-pole switches only)	SN0310	14–1/0 Al/Cu	SN0310C	14–1/0 Cu
30 A (Series T4) (2- and 3-pole switches only)	[1]	[1]	—	—
200 A Type 82000 and DTU (Series E) [2]	[1]	[1]	—	—
400 A Type 82000	DT400N	(1) 4–600 kcmil or (2) 1/0–250 kcmil	—	—
600 A Type DTU (Series A)	DT600NKD	250–500kcmil	—	—

[1] For Type 82,000 switches, neutral is available factory-installed on two- and three-pole 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.

[2] Neutral assembly catalog number DT200N can be added to four-pole Type 82000 switches in the field.

Electrical Interlocks

- Not available on 92,000 Series double throw switches
- Factory- or field-installed on all 30, 60, 100, and 600 A DTU Series switches and 400 A 82,000 Series switches. UL Listed
- Factory-installed on 200 A 82,000 Series switches. Not UL Listed
- Electrical interlocks are furnished with two N.O. / N.C. contacts and are installed in both “ON” positions. To order, add suffix “EI” to standard catalog number

Table 41: Electrical Interlocks

Switch	Field-Installed Electrical Interlock Kit Catalog Number[1]
30–100 A Type DT, DTU (Series F)	EIK1, EIK2 [2]
200 A Type 82000 and DTU (Series E) [3]	See text above.
400 A Type 82000	EK400DTU2
600 A Type DTU (Series A)	DS200EK2D

[1] 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.

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

[3] Electrical interlock EK400DTU2 can be added to four-pole Type 82000 switches in the field.

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 42: Class R Fuse Kits

Switch	Series Number	Class R Fuse Kit Catalog Number
Class R Fuse Kits—240 V (two kits per three-pole switch)		
30 A	F5	RFK03
60 A	F5	RFK06
100 A	F5	RFK10
Class R Fuse Kits—600 V (two kits per three-pole switch)		
30 A	F5	RFK06
60 A	F5	RFK06H
100 A	F5	RFK10

Lock-On Provision

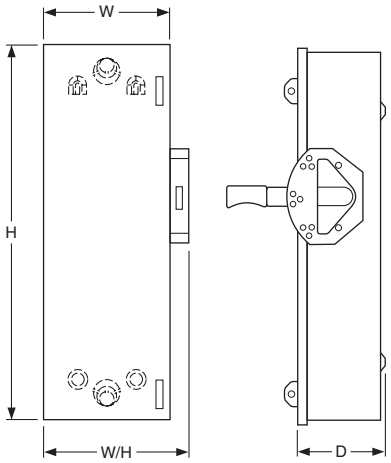
- UL Listed
- 30–100 A type DT or DTU (Series F) and type 92,000 included on standard device
- Type 82,000 and 200 A DTU (Series E) available factory-installed. Add SPLO to catalog number

Table 43: Rain-Proof Bolt-On Hubs

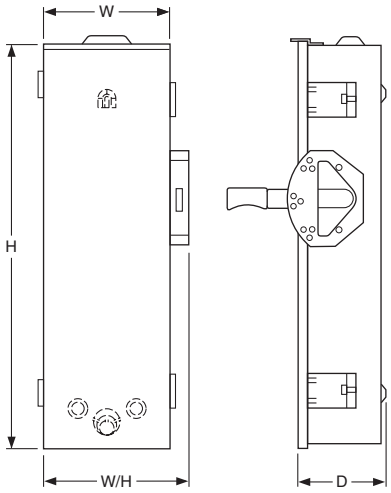
Conduit Size	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	Closing Cap
Hub Cat. No.	B075	B100	B125	B150	B200	B250	B300	B350	B400	BCAP

Table 44: Watertight Hubs (For use on NEMA Types 4, 4X and 5 Stainless Steel and NEMA Type 12 enclosures.)

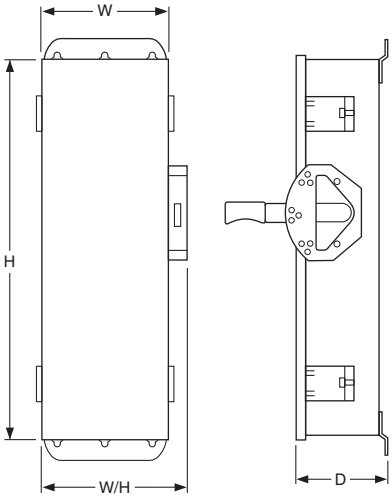
Conduit Trade Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
Standard-Zinc Hub Catalog Number	H050	H075	H100	H125	H150	H200	H250	H300	H350	H400
Chrome Plated Hub Catalog Number	H050CP	H075CP	H100CP	H125CP	H150CP	H200CP	—	—	—	—



Typical NEMA Type 1



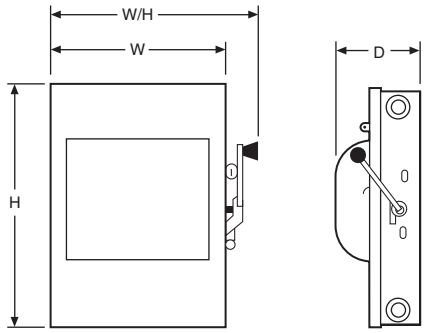
Typical NEMA Type 3R



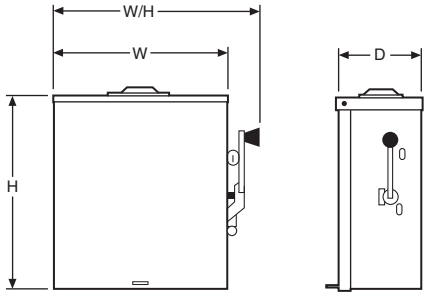
Typical NEMA Types 4, 4X, 5, and 12

Table 45: 30–100 A Types DT, DTU (Series F) Approximate Dimensions

Catalog Number	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



Typical NEMA Type 1



DTU—200 A
NEMA Type 3R

Table 46: 30, 200–600 A Types 82,000 and E-Series DTU devices, NEMA Types 1 and 3R Approximate Dimensions

Catalog Number	Series	H		W		W/H		D	
		in.	mm	in.	mm	in.	mm	in.	mm
DTU224NRB [1]	E1	32.50	826	20.63	524	24.00	610	10.63	270
82254 [1]	E1	30.88	784	15.75	400	19.63	499	9.75	248
82254NW [1]	E1	30.88	784	20.00	508	23.88	607	11.75	298
82344 [1]	E2	30.88	784	20.00	508	23.88	607	11.75	298
82344RB [1]	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 [1]	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 [1]	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 [1]	E3	38.00	965	29.62	753	33.02	839	10.63	270
82255 [1]	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 [1]	A1	38.50	978	26.10	663	29.51	750	10.63	270
82345DS [1]	A1	39.00	991	26.62	676	30.02	763	10.63	270
82345R [1]	A1	39.00	991	26.62	676	30.02	763	10.63	270
82355 [1]	A1	38.50	978	26.10	663	29.51	750	10.63	270
82355R [1]	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 [1]	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

[1] 250 V dc rated.

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Replaces 3100CT9801 dated 12/1999.

11/2009