

Distribution Equipment **SPEEDFAX**

Section 1 Safety Switches

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Safety Switches

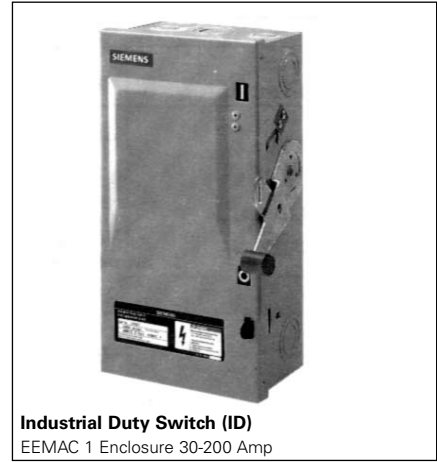
SELECTION

EEMAC Enclosure Types

SAFETY SWITCHES



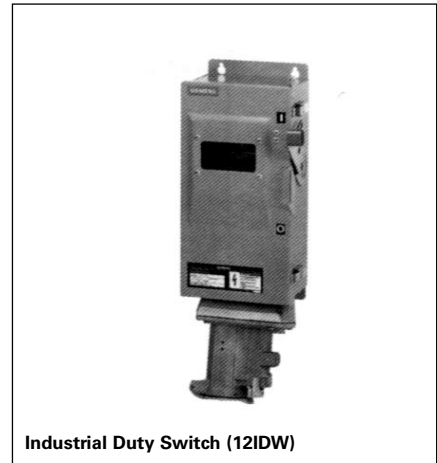
Light Duty Switch (SE)



Industrial Duty Switch (ID)
EEMAC 1 Enclosure 30-200 Amp



Industrial Duty Switch (4ID)



Industrial Duty Switch (12IDW)



Heavy Duty (HFC, HNFC)

Safety Switches

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Selection and Application

SAFETY SWITCHES

Selection and Application					
EEMAC Enclosure Type	Switch Type	Number of Poles	Voltage Rating	Ampere Rating	Fusible or Non-Fusible
Light Duty					
1	SE [®]	2 or 3	240V	30 60 100 200	Fusible
Industrial Duty[®]					
1	ID [®]	3	240V or 600V	30 60 100 200 400 [®] 600 [®]	Fusible or Non-Fusible
4X	4ID	2 or 3			
12	12ID				
Heavy Duty					
1 3R 4X 12	HNFC HFC	2 or 3	240V or 600V	30 60 100 200 400 600 800 1200	Fusible or Non-Fusible

Selection and Application				
Provides a Degree of Protection Against	Enclosure Type			
	EEMAC 1	EEMAC 3R	EEMAC 4X	EEMAC 12
General Purpose Indoor	✓	✓	✓	✓
Rainproof and sleet (ice) resistant	-	✓	✓	-
Watertight	-	-	✓	-
Dust-tight [®]	-	-	✓	✓
Corrosives	-	-	✓	-

[®]30-60 ampere switches 250V DC rated.

[®] Non-hazardous location

[®] Suitable as service entrance equipment

[®] Available in EEMAC 1, and EEMAC 12 enclosure only.

Safety Switches

SELECTION

Technical Specifications for Siemens Switches

SAFETY SWITCHES

<p>Application</p> <p>Siemens Switches are intended for use in applications where:</p> <ol style="list-style-type: none"> 1. Rugged construction, reliable performance, continuity of service and ease of maintenance are emphasized, or 2. Available fault currents higher than 10,000A are likely to be encountered, such as in manufacturing plants, mass production industries and commercial, institutional and other large buildings served by network systems or transformers of higher capacities. 3. System voltage is 600V AC or DC Max. 4. An EEMAC type 1, 3R, 12 or 4/4X enclosure is required.
<p>Voltage and ampere ratings</p> <p>240 VOLT AC – 30 through 1200 Amperes 600 VOLT AC – 30 through 1200 Amperes 250 VOLT DC – 30 through 600 Amperes except SE Safety Switch</p>
<p>Enclosures / Types</p> <p>Type 1 enclosures are intended for indoor use primarily to provide protection against contact with the enclosed equipment in locations where unusual service conditions do not exist.</p> <p>Type 3R enclosures are intended for outdoor use primarily to provide a degree of protection against falling rain and sleet and must remain undamaged by the formation of ice on the enclosure. They are not intended to provide protection against conditions such as dust, internal condensation, or internal icing.</p> <p>Type 4, 4X enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust, rain, splashing water and hose-directed water. They are not intended to provide protection against conditions such as internal condensation or internal icing. Also meets 4X definition by providing a high degree of protection against corrosion.</p> <p>Type 12^B enclosures are intended for indoor use primarily to provide a degree of protection against dust, falling dirt and dripping water. They are not intended to provide protection against conditions such as internal condensation.</p> <p>Note: Type 1 & 3R 30-600A Heavy Duty switches have tangential knockouts which are UL approved for bonding to ground on circuits over (or under) 250 volts to ground.</p>
<p>Short circuit withstand ratings</p> <p>Suitable for use on systems capable of delivering not more than 100,000 RMS symmetrical amperes of fault current when Class R fuses are installed. Also rated 100,000 AC max. In 200-600A ratings with Class J and T fuses.</p> <p>Suitable for use on systems capable of delivering not more than 200,000 RMS symmetrical Amperes of fault current when Class - J, R or L fuses are installed. 100-1200A switches with Class T fuses and field adapter kit are also 200,000 RMS symmetrical rated.</p>
<p>Fuses</p> <p>Light and Industrial Switches</p> <p>Fusible switches will accept the following CSA/UL class fuses:</p> <p>Class H Class K Class R - Class R fuse clip rejecter kits are required. Class T</p> <p>Heavy Duty Switches</p> <p>Fusible switches will accept the following CSA/UL class fuses:</p> <p>Class H Class K Class R - Class R fuse clip rejecter kits are required. Class J - 240 and 600V switches. All switches are field convertible. Class L - 800 and 1200A switches only. Class T - 100-1200A switches (All but 400 & 600A require an adapter kit).</p>
<p>Door Interlocks</p> <p>Heavy Duty Switches</p> <p>Defeatable dual door interlocks standard on all Siemens switches, prevents door from being opened when switch is in the "on" position and prevents switch from being turned "on" when door is open.</p>
<p>Groundable Neutrals</p> <p>240 volt light duty switches designed for use on systems requiring neutrals with groundable neutral blocks factory installed. Both 240V, 600V Industrial Duty and Heavy Duty switches are designed to accept field adaptable neutral assemblies.</p>
<p>Padlocks</p> <p>Padlockable cover latch and multiple padlock provisions on handle.</p>
<p>Handle Mechanism</p> <p>All our safety switches have a Quick Make Quick Break handle mechanism.</p>

NOTE:

All dimensions shown in the Selection Guide are subject to change.

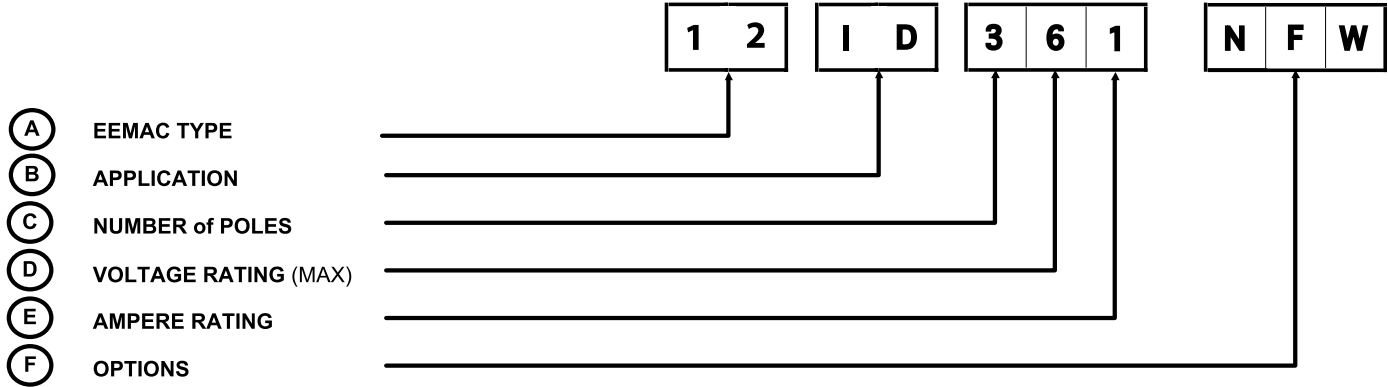
Please refer to Siemens sales office where dimensional accuracy is of consequence.

ⓄVBI Type 12 switches are also rated 3R & 3S for outdoor use. Type 3R is defined above. 3S rated enclosures provide a degree of protection against windblown dust and allow operation when the enclosure is ice laden.

Safety Switches

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Catalog Numbering System





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SAFETY SWITCHES

(B) Switch Application	(A) Enclosure	(C) Number of Poles	(D) Voltage Rating (max)	(E) Ampere Rating	(F) Options
Light and Industrial Duty Switches (30A to 600A)					
SE = Light Duty (Service Entrance)	Blank = EEMAC 1	2 = 2 Poles 3 = 3 Poles	2 = 240V	1 = 30A 2 = 60A 3 = 100A 4 = 200A	Blank = Fused NF = Non-Fused V = Viewing window
ID = Industrial Duty	Blank = EEMAC 1 4 = EEMAC 4X 12 = EEMAC 12	2 = 2 Poles + Solid Neutral 3 = 3 Poles 4 = 3 Poles + Solid Neutral	2 = 240V 6 = 600V	1 = 30A 2 = 60A 3 = 100A 4 = 200A 5 = 400A 6 = 600A	Blank = Fused NF = Non-Fused V = Viewing window W = Receptacle

Safety Switches

Non-Fused Air Conditioning Disconnects

SAFETY SWITCHES

Selection and Ordering Data					
		CUL Listed, NEMA Type 3R Enclosure			240 Volts
Catalog Number	Ampere Rating	Maximum Horsepower	Disconnect Type	Std. kg.	
WN2060	60	10	Non-Fusible Pullout	6	
					

Features

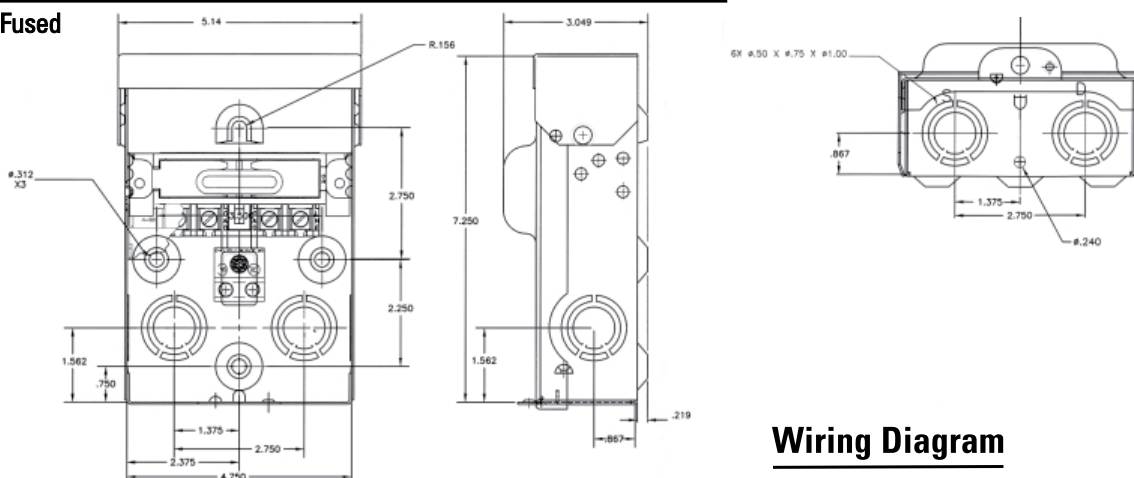
- Ample Wiring Space
- Rugged Design
- Numerous Knockouts
- Raised Mounting Embosses
- Copper Conductors
- Pullout Switch
- Removable Door

Benefits

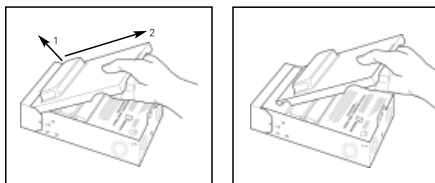
- The larger enclosure allows for ample wiring space.
- Manufactured with powder coated G90 galvanized steel for fade, scratch and corrosion resistance.
- All (6) knockouts are easy to remove. The sidewall knockouts provide access from the sides of the device. Every knockout has 1/2", 3/4" and 1" provisions.
- (4) Raised mounting embosses keep the unit away from the wall, preventing dirt build-up. The upper mounting hole is shaped to be used as a hanger.
- Copper current carrying part allows for a cooler, longer lasting operation.
- The pullout switch design allows you to safely and easily de-energize the load terminals.
- The easily removable door makes it possible to wire the device with absolutely no interference.

Dimensions (inches)

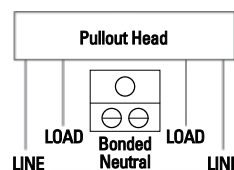
Non-Fused



Removable Door





Wiring Diagram



Connector	Copper		Aluminum	
	Sol.	Str.	Sol.	Str.
Line	14-8	14-2	12-8	12-3
Load	14-8	14-2	12-8	12-3
Bonded Neutral	14-8	14-3	12-8	12-3

Safety Switches

Fused Air Conditioning Disconnects

Selection and Ordering Data		CUL Listed, NEMA Type 3R Enclosure			240 Volts
	Catalog Number	Ampere Rating	Maximum Horsepower	Fuse[®] Class	Std. Pkg.
	WF2030	30	3	H	6
	WF2060	60	10	H	6
					

Features

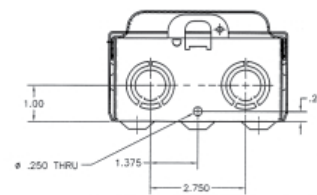
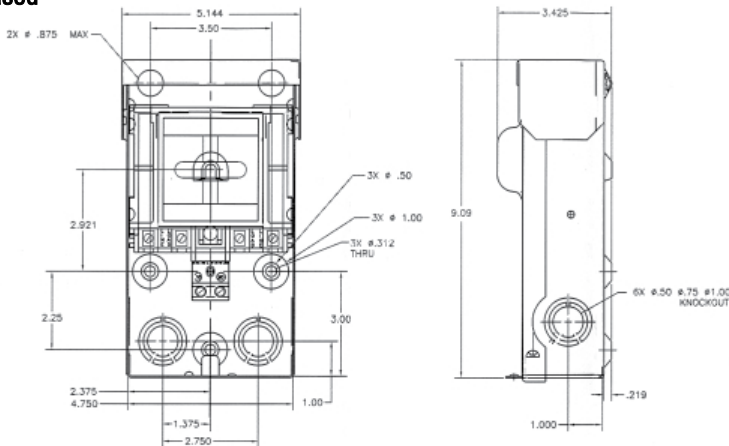
- Ample Wiring Space
- Rugged Design
- Numerous Knockouts
- Raised Mounting Embosses
- Copper Conductors
- Pullout Switch
- Removable Door

Benefits

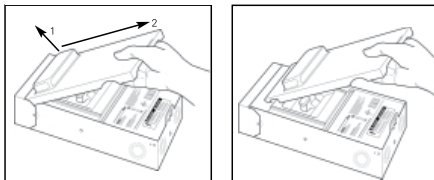
- The larger enclosure allows for ample wiring space.
- Manufactured with powder coated G90 galvanized steel for fade, scratch and corrosion resistance.
- All (6) knockouts are easy to remove. The sidewall knockouts provide access from the sides of the device. Every knockout has 1/2", 3/4" and 1" provisions.
- (4) Raised mounting embosses keep the unit away from the wall, preventing dirt build-up. The upper mounting hole is shaped to be used as a hanger.
- Copper current carrying part allows for a cooler, longer lasting operation.
- The pullout switch design allows you to safely and easily de-energize the load terminals.
- The easily removable door makes it possible to wire the device with absolutely no interference.

Dimensions (inches)

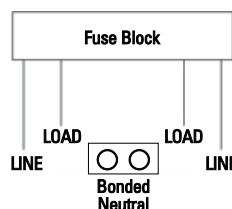
Fused



Removable Door



Wiring Diagram



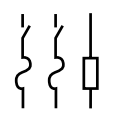
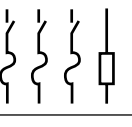
Connector	Copper		Aluminum	
	Std.	Str.	Std.	Str.
Line	14-8	14-2	12-8	12-3
Load	14-8	14-2	12-8	12-3
Bonded Neutral	14-8	14-3	12-8	12-3

Safety Switches

SELECTION

Light Duty Switches (SE)^⑤

SAFETY SWITCHES

Selection and Ordering Data					
System	Ampere Rating	Catalog Number	Dimensions - inches (mm)		
			Height	Width Including Handle	Depth Including Handle
240V Fusible Service Entrance EEMAC 1 Enclosure					
2 Pole, 2 Fuse plus Neutral 240V AC Max.					
	① 30	SE221	11¼ (286)	7⅞ (200)	6⅝ (160)
	② 60	SE222	15¼ (387)	7⅞ (200)	6⅝ (160)
	③ 100 ④ 200	SE223 SE224	20¼ (514) 30¾ (781)	9⅞ (238) 11⅞ (302)	6⅝ (160) 7⅝ (186)
3 Pole, 3 Fuse plus Neutral 240V AC Max.					
	① 30	SE321	11¼ (286)	7⅞ (200)	6⅝ (160)
	② 60	SE322	15¼ (387)	7⅞ (200)	6⅝ (160)
	③ 100 ④ 200	SE323 SE324	20¼ (514) 30¾ (781)	9⅞ (238) 11⅞ (302)	6⅝ (160) 7⅝ (186)



SE221

- ①-Use equivalent 60 Amp switch for 30 Amp HRCI-J fuse application and adjust loadbase to pre-drilled position.
- ②-Can be modified in the field to accept HRCI-J fuses by moving loadbase to pre-drilled position.
- ③ Use equivalent 600V ID Switch for HRCI-J fuse applications.
- ④-Suitable for service entrance

Safety Switches

SELECTION

General Duty 30A Plug Fuse – LFC211N

Product Details

- 30 Amp, indoor, plug fuse
- 120/240 Volt, 1 phase, 3 wire, 2-pole, with solid neutral

Features

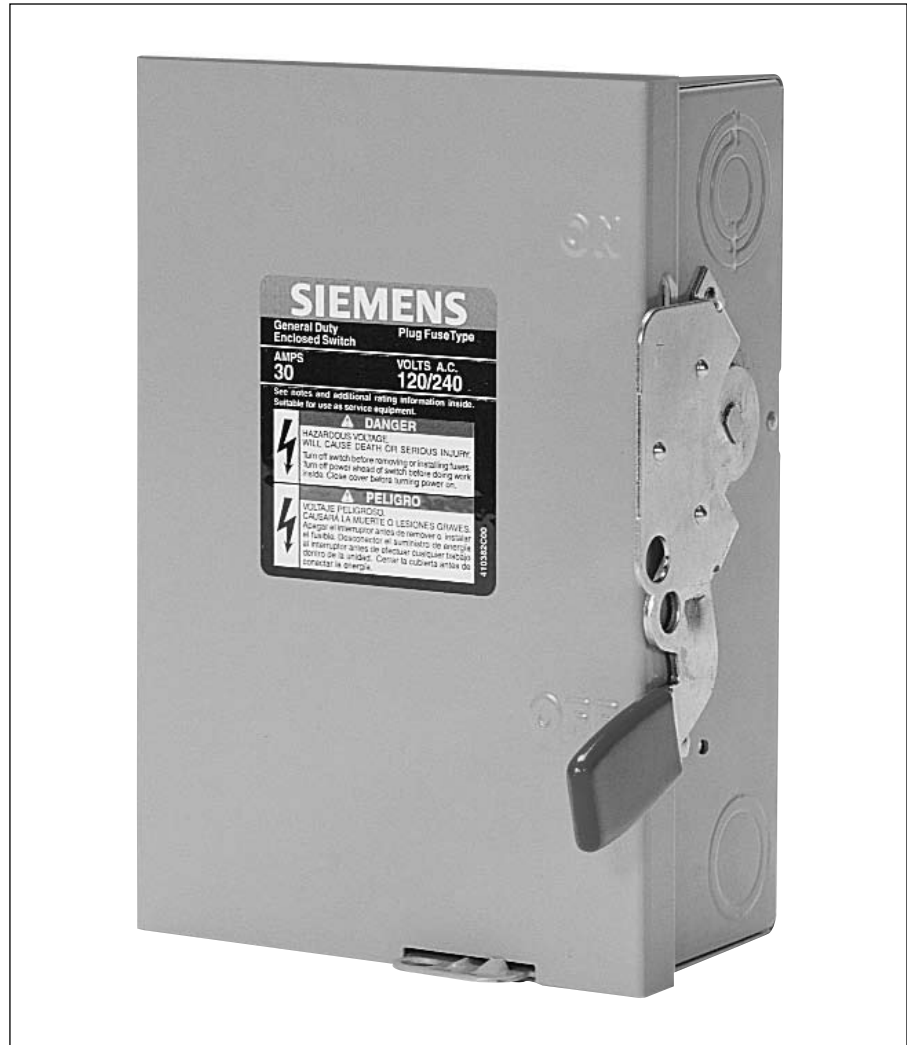
- Compact size
- Horsepower rated
- Quick Make-quick break mechanism
- Visible “ON”–“OFF” indications
- Solid metal handle, with padlock-off feature
- Door padlock provision
- Suitable for use as service entrance equipment
- Lugs suitable for copper or aluminum wire
- CSA Certified
- Switches accept only plug fuses – not included

Dimensions

- Height 8¼" (210 mm)
- Width (with handle) 5⅜" (148 mm)
- Depth (with handle) 4¾" (120 mm)

Wire Range

- Cu/Al – #14 to #8 AWG



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SAFETY SWITCHES

Safety Switches

30 Amp General Duty Enclosed Switches

SAFETY SWITCHES

Selection and Ordering Data										
Ampere Rating	Fuse Type	Indoor - Type 1		Outdoor - Type 3R		Horsepower Ratings ① 120/240V AC				HP Rating
		Catalog Number	Ship Wt (Std Pkg)	Catalog Number	Ship Wt (Std Pkg)	1 Phase 2W		3 Phase 3W		250 Volt DC
						Std	Max	Std	Max	
120 Volt Fusible - 1 Pole and Neutral										
30	Plug	LFC111N	35 (10)	LFC111NR	35 (10)	1/2 ⑥	2 ⑥	—	—	—
120/240 Volt Fusible - 2 Pole and Neutral										
30	Plug	LFC211N	35 (10)	LFC211NR	35 (10)	1 1/2	3	—	—	—
240 Volt Max Non-Fusible - 2 Pole Special Application (Bottom Cable Entry and Exit Only)										
60	—	Use Outdoor	—	LNFC222R ③	35 (10)	—	10	—	—	—

Features

- Compact size
- Visible blade, double break switching action
- Quick make, quick break operating mechanism
- Indoor and galvanized steel outdoor enclosures
- Highly visible "ON" / "OFF" indications
- Bondable Neutral (where indicated)
- Cover interlock on indoor enclosures
- Padlocking provisions to lock cover closed or to lock switch in the "OFF" position

Ratings

- CSA listed
- All fusible switches suitable for use as service entrance equipment
- Fused switches rated 10,000 AIC with either plug or Class H fuses or 100,000 AIC with Class R fuses
- Ground bar kit: GSGK60

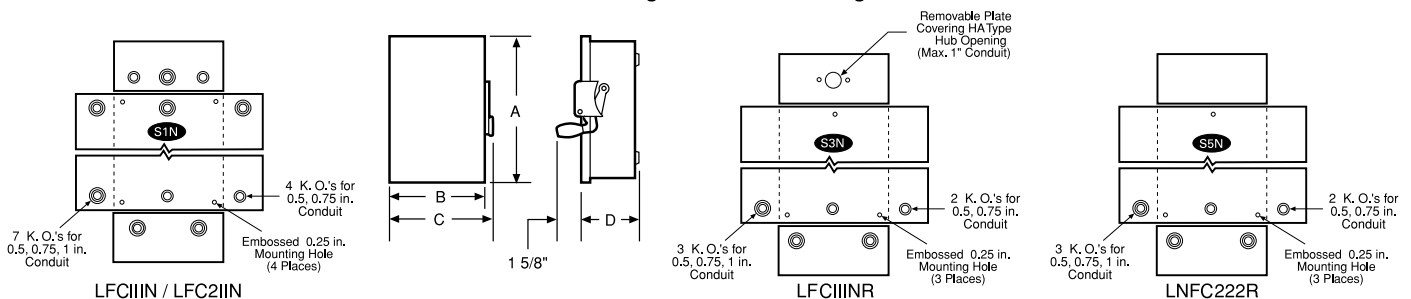
New Switch Catalog Numbering System

PART 1 Switch Type	PART 2 Fused or Non Fused	PART 3 Number of Poles	PART 4 Voltage Rating	PART 5 Ampere Rating	PART 6 With or Without Neutral	PART 7 Enclosure Type
L = Gen. Duty 10k AIC Max. (Plug Fused and 60A Special Application)	F = Fused NF=Non-Fused	1 = 1 2 = 2 3 = 3	1 = 120V or 120/240V 2 = 240V	1 = 30A 2 = 60A	Omit = Less Neutral N = with Neutral	Omit = Type 1 Indoor R = Type 3R Outdoor

Dimensions & Old to New Cross Reference

New Switch Catalog Number	Old Vacu-Break Cat. No. (for ref. only)	New Switch Dimensions (Inches)				New Switch Knockout Diagram	
		Height A	Width				Depth D
			Box B	Rain Shed E	With Handle C		
LFC111N	CFN211	8 1/4	5 1/2	—	5 13/16	3	S1N
LFC111NR	CFNR211	8 1/4	5 3/8	5 9/16	5 13/16	3 1/8	S3N
LFC211N	CFN311	8 1/4	5 1/2	—	5 13/16	3	S1N
LFC211NR	CFNR311	8 1/4	5 3/8	5 9/16	5 13/16	3 1/8	S3N
LNFC222R	CNFR222	8 1/4	5 3/8	5 9/16	5 13/16	3 1/8	S5N

Outline Drawings and Knockout Diagrams



① Dual horsepower ratings standard applies when non-time delay fuses are installed Max - applies when time delay fuses are installed.

③ Bottom cable entry & exit only No hub provisions supplied.
④ Suitable for 3 Pole motor loads.

⑤ These switches can also be used for 240V 2P, 2W applications and are CSA listed for application on a grounded B system.
⑥ Ratings shown are 120V - 1 Phase, 2W.

Safety Switches

SELECTION

Industrial Duty Switches® (ID) EEMAC 1 Enclosure

SAFETY SWITCHES

Selection and Ordering Data					
System	Ampere Rating	Catalog Number	Dimensions - inches (mm)		
			Height	Width Including Handle	Depth Including Handle
600V Fusible Industrial Duty EEMAC 1 Enclosure					
3 Pole, 3 Fuse 600V AC Max., 250V DC [®]					
	30	ID361	15 ³ / ₈ (391)	9 ³ / ₁₆ (233)	7 ¹ / ₄ (184)
	60	ID362	15 ³ / ₈ (391)	9 ³ / ₁₆ (233)	7 ¹ / ₄ (184)
	100	ID363	20 ³ / ₈ (518)	10 ¹¹ / ₁₆ (271)	7 ¹ / ₄ (184)
	200	ID364	30 ⁷ / ₈ (784)	13 ³ / ₁₆ (335)	8 ¹ / ₄ (210)
	400	ID365	40 (1016)	21 ¹ / ₂ (546)	12 ¹ / ₁₆ (306)
	600	ID366	48 (1219)	21 ¹ / ₂ (546)	12 ¹ / ₁₆ (306)
3 Pole, 3 Fuse plus Neutral 240V AC Max., 250V DC [®]					
	30	ID361+N60			
	60	ID362+N60			
	100	ID363+N100			
	200	ID364+N200			
	400	ID365+N4001D			
	600	ID366+N6001D			
(For 3Ø 4W fusible switches 30 to 200 amperes, select 3Ø switch from 3 pole table above and add neutral kit from page 1/10.)					
600V Non-Fusible Industrial Duty EEMAC 1 Enclosure					
3 Pole, 600V AC Max., 250V DC [®]					
	30	ID361NF	15 ³ / ₈ (391)	9 ³ / ₁₆ (233)	7 ¹ / ₄ (184)
	60	ID362NF	15 ³ / ₈ (391)	9 ³ / ₁₆ (233)	7 ¹ / ₄ (184)
	100	ID363NF	20 ³ / ₈ (518)	10 ¹¹ / ₁₆ (271)	7 ¹ / ₄ (184)
	200	ID364NF	30 ⁷ / ₈ (784)	13 ³ / ₁₆ (335)	8 ¹ / ₄ (210)
	400	ID365NF	40 (1016)	21 ¹ / ₂ (546)	12 ¹ / ₁₆ (306)
	600	ID366NF	48 (1219)	21 ¹ / ₂ (546)	12 ¹ / ₁₆ (306)
3 Pole plus Neutral 347/600V AC Max., 250V DC [®]					
	30	ID361NF+N60			
	60	ID362NF+N60			
	100	ID363NF+N100			
	200	ID364NF+N200			
	400	ID365NF+N4001D			
	600	ID366NF+N6001D			
(For 3Ø 4W fusible switches 30 to 200 amperes, select 3Ø switch from 3 pole table above and add neutral kit from page 1/10.)					
240V Fusible Industrial Duty EEMAC 1 Enclosure					
3 Pole, 3 Fuse 240V AC Max., 250V DC [®]					
	30	ID321	15 ³ / ₈ (391)	9 ³ / ₁₆ (233)	7 ¹ / ₄ (184)
	60	ID322	15 ³ / ₈ (391)	9 ³ / ₁₆ (233)	7 ¹ / ₄ (184)
	100	ID323	20 ³ / ₈ (518)	10 ¹¹ / ₁₆ (271)	7 ¹ / ₄ (184)
	200	ID324	30 ⁷ / ₈ (784)	13 ³ / ₁₆ (335)	8 ¹ / ₄ (210)
	400	ID425	40 (1016)	21 ¹ / ₂ (546)	12 ¹ / ₁₆ (306)
	600	ID426	48 (1219)	21 ¹ / ₂ (546)	12 ¹ / ₁₆ (306)
240V Fusible Industrial Duty EEMAC 1 Enclosure					
2 Pole, 2 Fuse plus Neutral 240V AC Max					
	400	ID225	40 (1016)	18 ¹ / ₂ (470)	12 ¹ / ₁₆ (306)
	600	ID226	48 (1219)	18 ¹ / ₂ (470)	12 ¹ / ₁₆ (306)



ID363



ID363 (FUSIBLE)



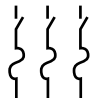
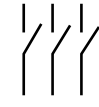
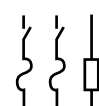
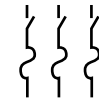
ID363NF (NON-FUSIBLE)

[®]-For ID Safety Switch EEMAC 1 c/w optional viewing window, add suffix "V" to catalog number (eg. ID322V). Contact your local Siemens sales office.
[®]-Can be modified in the field to accept HRCI-J fuses by moving loadbase to pre-drilled position.
[®]-Use equivalent 60 Amp switch for 30 Amp HRCI-J fuse applications and adjust loadbase to pre-drilled position.
[®]-Complete with solid neutral.
[®]- Use equivalent 600V ID Switch for HRCI-J fuse applications.
[®]- 30-600 Ampere Switches 250V DC rated.

Safety Switches

Industrial Duty Switches (ID) EEMAC 4X and 12 Enclosures[®] (also available with interlocked receptacle)

SAFETY SWITCHES

Selection and Ordering Data									
System	Ampere Rating	EEMAC 4X	Enclosure [®]	EEMAC 12	Enclosure [®]	Dimensions - inches (mm)			
		Cat. No.	Interlocked Receptacle Cat. No.	Cat. No.	Interlocked Receptacle Cat. No.	Height Including	Height Including Mtg. flange	Width Including Handle	Depth Including Handle
600V Fusible Industrial Duty EEMAC 4X and 12 Enclosures									
3 Pole, 3 Fuse 600V AC Max., 250V DC									
	30	4ID361	4ID361W	12ID361	12ID361W	24 $\frac{5}{8}$ (625)	16 $\frac{5}{8}$ (422)	9 $\frac{3}{16}$ (233)	7 $\frac{7}{16}$ (189)
	60	4ID362	4ID362W	12ID362	12ID362W	25 $\frac{1}{8}$ (638)	16 $\frac{5}{8}$ (422)	9 $\frac{3}{16}$ (233)	7 $\frac{7}{16}$ (189)
	100	4ID363	-	12ID363	12ID363W	30 $\frac{3}{8}$ (778)	21 $\frac{5}{8}$ (549)	10 $\frac{11}{16}$ (272)	7 $\frac{7}{16}$ (189)
	200	4ID364	-	12ID364	-	-	32 (813)	13 $\frac{3}{16}$ (335)	8 $\frac{7}{16}$ (214)
	400	-	-	12ID365	-	-	40 (1016)	21 $\frac{1}{2}$ (546)	15 (381)
	600	-	-	12ID366	-	-	48 (1219)	21 $\frac{1}{2}$ (546)	15 (381)
600V Non-Fusible Industrial Duty EEMAC 4X and 12 Enclosures									
3 Pole, 600V AC Max., 250V DC									
	30	4ID361NF	4ID361NFW	12ID361NF	12ID361NFW	24 $\frac{5}{8}$ (625)	16 $\frac{5}{8}$ (422)	9 $\frac{3}{16}$ (233)	7 $\frac{7}{16}$ (189)
	60	4ID362NF	4ID362NFW	12ID362NF	12ID362NFW	25 $\frac{1}{8}$ (638)	16 $\frac{5}{8}$ (422)	9 $\frac{3}{16}$ (233)	7 $\frac{7}{16}$ (189)
	100	4ID363NF	-	12ID363NF	12ID363NFW	30 $\frac{3}{8}$ (778)	21 $\frac{5}{8}$ (549)	10 $\frac{11}{16}$ (272)	7 $\frac{7}{16}$ (189)
	200	4ID364NF	-	12ID364NF	-	-	32 (813)	13 $\frac{3}{16}$ (335)	8 $\frac{7}{16}$ (214)
	400	-	-	12ID365NF	-	-	40 (1016)	21 $\frac{1}{2}$ (546)	15 (381)
	600	-	-	12ID366NF	-	-	48 (1219)	21 $\frac{1}{2}$ (546)	15 (381)
240V Fusible Industrial Duty EEMAC 4X and 12 Enclosures									
2 Pole, 2 Fuse plus Neutral 240V AC Max., 250V DC									
	30	4ID221	-	12ID221	-	24 $\frac{5}{8}$ (625)	16 $\frac{5}{8}$ (422)	9 $\frac{3}{16}$ (233)	7 $\frac{7}{16}$ (189)
	60	4ID222	-	12ID222	-	25 $\frac{1}{8}$ (638)	16 $\frac{5}{8}$ (422)	9 $\frac{3}{16}$ (233)	7 $\frac{7}{16}$ (189)
	100	4ID223	-	12ID223	-	30 $\frac{3}{8}$ (778)	21 $\frac{5}{8}$ (549)	10 $\frac{11}{16}$ (272)	7 $\frac{7}{16}$ (189)
	200	4ID224	-	12ID224	-	-	32 (813)	13 $\frac{3}{16}$ (335)	8 $\frac{7}{16}$ (214)
	400	-	-	12ID225	-	-	40 (1016)	18 $\frac{1}{2}$ (470)	15 (381)
	600	-	-	12ID226	-	-	48 (1219)	18 $\frac{1}{2}$ (470)	15 (381)
3 Pole, 3 Fuse, 240V AC Max., 250V DC									
	30	4ID321	-	12ID321	12ID321W	24 $\frac{5}{8}$ (625)	16 $\frac{5}{8}$ (422)	9 $\frac{3}{16}$ (233)	7 $\frac{7}{16}$ (189)
	60	4ID322	-	12ID322	12ID322W	25 $\frac{1}{8}$ (638)	16 $\frac{5}{8}$ (422)	9 $\frac{3}{16}$ (233)	7 $\frac{7}{16}$ (189)
	100	4ID323	-	12ID323	12ID323W	30 $\frac{3}{8}$ (778)	21 $\frac{5}{8}$ (549)	10 $\frac{11}{16}$ (272)	7 $\frac{7}{16}$ (189)
	200	4ID324	-	12ID324	-	-	32 (813)	13 $\frac{3}{16}$ (335)	8 $\frac{7}{16}$ (214)
	400	-	-	12ID425 [®]	-	-	40 (1016)	21 $\frac{1}{2}$ (546)	15 (381)
	600	-	-	12ID426 [®]	-	-	48 (1219)	21 $\frac{1}{2}$ (546)	15 (381)



12ID363



4ID364 (STAINLESS STEEL)



12ID323W

[®]Can be modified in the field to accept HRCI-J fuses by moving loadbase to pre-drilled position.

[®]Use equivalent 60 Amp switch for 30 Amp HRCI-J fuses application and adjust loadbase to pre-drilled position.

[®]Complete with solid neutral.

[®]Stainless steel enclosure.

[®]ID 4x & 12 contain silicone.

[®]A variety of ID switches are also available "silicone free". Please consult your local Siemens sales office.

[®] Receptacle Safety Switches (EEMAC 12 Enclosure) available with 3-phase, plus ground type Crouse-Hinds Arkrite receptacle, pre-wired and mounted with interlock linkage to the switch mechanism. Insertion or removal of the plug is prevented by the interlock linkage while the switch is in the "ON" position. Receptacle prevents operation of switch if standard plug is inserted; it accepts Crouse-Hinds "Arkrite" plugs.

Note: The EEMAC 12 Enclosures c/w Interlock Receptacles are DC Rated.

Safety Switches

Light, and Industrial Duty Switch Accessories (SE and ID)

Selection and Ordering Data		
Neutral Assembly & Fuse Puller Kits		
Ampere Ratings	Neutral Assembly Kits ID Switches Cat. No.	Fuse Puller Kit Cat. No.
30	N60	FP2
60	N60	FP2
100	N100	FP3
200	N200	FP4
400	N400ID	-
600	N600ID	-

Auxiliary Contact Kits for ID Switches *		
Ampere Ratings	Number of Contacts	Catalog Number
30 60 100	1NO-1NC	MSSAK116
30 60 100	2NO-2NC	MSSAK216
200	1NO-1NC	MSSAK126
200	2NO-2NC	MSSAK226



Conversions for HRCI-R or HRCI-T						
Type	30A	60A	100A	200A	400A	600A
HRCI-R 240V	RFAK21*	RFAK22*	RFAK3*	RFAK4*	-	-
HRCI-R 600V	RFAK61*	RFAK62*	RFAK3*	RFAK4*	-	-
HRCI-T 240V	-	-	TFAK23*	TFAK24*	TFAK52	TFAK62
HRCI-T 600V	-	-	TFAK63*	TFAK64*	*	TFAK65

*One Kit per switch (3 pole).

*Can be modified in the field.

*One Kit per pole.

*Auxiliary contacts for ID safety switches are of a positive action design and meet CSA standards #B44 & Section 38 of the Canadian Electrical Code covering elevators, dumbwaiters, escalators, platform lifts and moving walks.

Safety Switches

SELECTION

Industrial Duty Switches HP Ratings and Lug Size Data



Selection and Ordering Data				
Horsepower Ratings [Ⓐ]				
Switch Ratings		Maximum Horsepower Rating		
Amperes	Volts	Phase		DC
		Single	Three	250V
30	240	3	7.5	5
60		10	15	10
100		15	30	20
200		15	60	40
400		–	125	50
600		–	200	50
30	480	–	15	–
	600	10	20	–
60	480	–	30	–
	600	25	50	–
100	480	–	60	–
	600	40	75	–
200	480	–	125	–
	600	50	150	–
400	480	–	250	–
	600	–	350	–
600	480	–	400	–
	600	–	500	–

Lug Size Data [Ⓐ]			
Switch Ampere Rating	Number of Lugs Per Pole	Mains	Neutral
		Wire Range Copper or Aluminum	Wire Range Copper or Aluminum
30	1	#14 to #4 AWG	#14 to #4 AWG
60	1	#14 to #4 AWG	#14 to #4 AWG
100	1	#14 to #1/0 AWG	#14 to #1/0 AWG
200	1	#6 to 250 MCM	#6 to 250 MCM
400	1	1-1/0 to 750 MCM	1-1/0 to 750 MCM
600	2	or 2-1/0 to 250 MCM	or 2-1/0 to 250 MCM

[Ⓐ]All Safety switches are horsepower rated, except for the SE safety switches.
[Ⓐ]30A to 100A switches suitable for use with 60° or 75°C wire. Above 100A switches suitable for use with 75°C rated wire.

Safety Switches

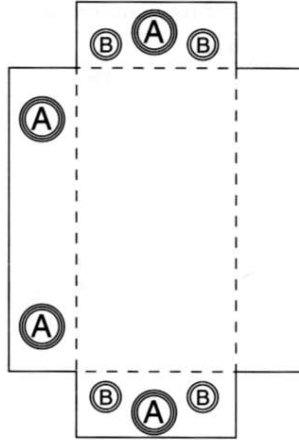
SELECTION

Knock-out Data (SE and ID)

K.O. Data For EEMAC 1 Enclosure

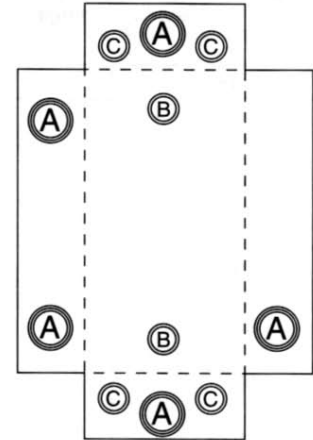
30 Amp Enclosure Type SE

K.O.'s Trade Size
A = 3/4" - 1" - 1 1/4" - 1 1/2"
B = 1/2" - 3/4"



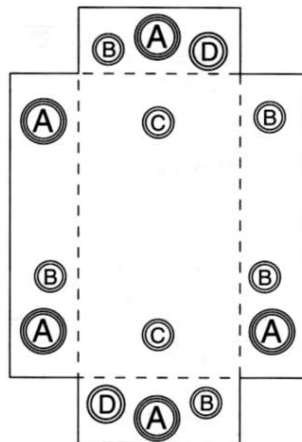
30-60 Amp Enclosure Type ID 60 Amp Enclosure Type SE

K.O.'s Trade Size
A = 3/4" - 1" - 1 1/4" - 1 1/2"
B = 3/4" - 1"
C = 1/2" - 3/4"



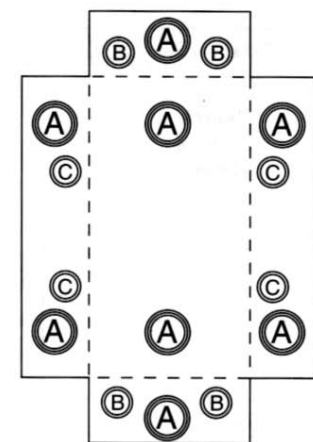
100 Amp Enclosure Type SE ID

K.O.'s Trade Size
A = 1" - 1 1/4" - 1 1/2" - 2"
B = 1/2" - 3/4"
C = 3/4" - 1"
D = 1" - 1 1/4"



200 Amp Enclosure Type SE ID

K.O.'s Trade Size
A = 1 1/2" - 2" - 2 1/2" - 3"
B = 1" - 1 1/4"
C = 1/2" - 3/4"



SAFETY SWITCHES

NOTE: Knock-out data also available for heavy duty type switches - please consult your Siemens sales office.