



# Spec-Setter™ Safety Switches, Accessories

For Type 1 and 3R Enclosures

30-600 Amperes: TG and TH

800-1200 Amperes: TC

## Equipment Ground Kits

Switch Ampere Rating	Catalog Number	List Price, GO-137A	Lug Wire Size AWG/kcmil		Std Pkg
			Copper	Aluminum	
30-60	TGL1	\$10.00	(4) 14-8 (3) 14-4	(4) 14-8 (3) 6-4	20
100-200	TNG3	60.00	(3) 10-1/0	(3) 10-1/0	1
400-600	TGL6	68.25 <sup>①</sup>	(3) 2-250	(3) 2-250	1

## Neutral Kits—Insulated, Groundable and Bondable

Switch Ampere Rating	Catalog Number				Lug Wire Size (AWG/kcmil)		Std Pkg
	Fusible	List Price, GO-131	No Fuse	List Price, GO-131	Copper Wire	Aluminum Wire	
30-240V	TNI21	\$50.75	TNI21	\$ 50.75	14-8	12-8	1
30-600V	TNI62	50.75	TNI62	50.75	14-2	12-2	1
60	TNIA62	50.75	TNI62 <sup>②</sup>	50.75	14-2	12-2	1
100	TNIA63	108.00	TNI63 <sup>②</sup>	108.00	10-1/0	10-1/0	1
200	TNIA64			132.00	1-300	1-300	1
400	TNI65			232.00	(1) 2-600 or (2) 1/0-250	(1) 2-600 or (2) 1/0-250	1
	TNI65A			232.00	(1) 350-800	(1) 350-800	1
600	TNI66			232.00	(2) 4-500	(2) 4-500	1
800	TNI67			490.00	(3) 2-600 or (6) 1/0-250	(3) 2-600 or (6) 1/0-250	1
1200	TNI68A			675.00	(4) 3/0-800	(4) 250-800	1

**Switching Neutral:** Order standard switch of required number of poles and use dummy fuse in neutral pole.

**Auxiliary Contact Kits—Auxiliary contacts open before switch blades. UL Listed for field or factory installation.**

Safety Switch Rating, Type 1 and 3R	Field Installed Catalog Number (Std. Pkg.-1)	List Price, GO-131	Switch Suffix for Factory Installed	List Price Adder <sup>③</sup>	Contacts	Contact Ratings
TH, THN, 30A, 2 and 3 poles	THAUX21D	\$135.00	A21D	\$222.00	DPDT	10A, 125/250Vac .3A, 125Vdc .15A, 250Vdc
	THAUX61S	135.00	A61S	226.00	SPDT	15A, 125/250Vac 15A, 480/600Vac 50A, 125Vdc .25A, 250Vdc
TH, THN, 60-200A, 2 and 3 poles	THAUX64D	193.00	A64D	274.00	DPDT	
TH, THN, 200A, 6 poles	THAUX66D2	317.00	A66D2	410.00	DPDT	
TH, THN, 400-600A, 2 and 3 poles TH, THN, 30-100A, 6 poles 400-600A, 6 poles	THAUX66D	317.00	A66D	410.00	DPDT	
TC, 800-1200A, 2 and 3 poles <sup>④</sup>	—	—	⊗	614.00	SPDT	15A, 125/250Vac 50A, 125Vdc .25A, 250Vdc
TC, double throw <sup>④</sup>	—	—	⊗	1227.00	SPDT	15A, 125/250Vac 50A, 125Vdc .25A, 250Vdc

## Contact Pilot Duty Ratings—600 Volt Kits

ac			dc (Resistive)		
Volts	Inrush Current		Break Normal Current	Volts	Break Normal Current
	N.C.	N.O.			
115	30	15	15	125	0.5
230	30	15	15	250	0.25
460	30	15	15	—	—
575	15	15	2	—	—

- ① **GO-131.**
- ② Not suitable for type TG switches.
- ③ **List Price adder.** Add to List Price of basic switch. Use switch GO discount.
- ④ Not UL Listed.
- ⑤ Give TC switch Catalog Number and add "with auxiliary switch installed."
- ⑥ Give TC switch Catalog Number and add "with two auxiliary switches installed".

## Lug Wire Sizes Line and Load Terminal

Switch Ampere Rating	Wire Range AWG/kcmil	
	Copper	Aluminum
30 (250V)	14-8	12-8
30 (600V)	12-2	12-2
60	12-2	12-2
100	10-1/0	10-1/0
200	2-250	2-250
400	(1) 2-600 or (2) 1/0-250	(1) 2-600 or (2) 1/0-250
600	(2) 4-500	(2) 4-500
800	(3) 2-600 or (6) 1/0-250	(3) 2-600 or (6) 1/0-250
1200	(4) 3/0-800	(4) 3/0-800

## Special Phenolic Nameplates (15 letters maximum)

Catalog No.	Qty. (same wording)	List Price Each, GO-131
75C141109P109	1-5 6-10	\$105.00 93.00

## Semidust-tight Door Gasket Kits

Switch Ampere Rating	Kit Cat. No. (Field Mounted)	List Price, GO-131	Std Pkg
<b>Types TH Indoor, TG and TH Outdoor Switches</b>			
30-100	THG106	\$35.50	1
200	THG107	68.25	1
400 and 600	THG108	92.00	1

# Spec-Setter™ Safety Switches, General Duty Type TG

30-600 Amperes  
240 Volts ac, 250 Volts dc Max.

## Cartridge Fuse, Type TG Switches

- Designed for residential or light commercial application where duty is not severe.
- UL Listed, (Enclosed Switches No. 98).
- Meet or exceed NEMA Enclosed Switch Standard KS1-1990 for Type GD.
- CSA certified.
- 60°C and 75°C conductor rating.
- Feature quick-make, quick-break mechanisms (30-200 amps).
- Suitable for use as service entrance equipment when installed in accordance with National Electrical Code.
- 30-200 amp fusible switches are rated 100,000 rms amps, sym IC when used with Class R fuses. Order appropriate Class R Fusing Kit from page 2-13.

Schematic Diagram	Max. Ampere Rating	Indoor, Type 1 Enclosure ①		Outdoor, Type 3R Enclosure ②		Horsepower Ratings					
		Catalog Number	List Price, GO-131A	Catalog Number	List Price, GO-131A	240 Volts ac		dc		125 Volts	250 Volts
						NEC Standard		Time Delay			
						1-ph	3-ph	1-ph	3-ph		

## Fusible

**Two-pole, 120/240 and 240 Volts ac; 250 Volts dc (30-100 amps only)**  
**Three-wire SN, 240 Volts ac**

	30	TG3221 ③	\$ 77.00	TG3221R	\$ 124.00	1½	3	3	7½	2	5
	60	TG3222	135.00	TG3222R	213.00	3	7½	10	15	3	10
	100	TG3223	277.00	TG3223R	313.00	7½	15	15	30	—	20
	200	TG3224	579.00	TG3224R	779.00	15	25	15	50	—	—
	400	TG3225	1628.00	TG3225R	2197.00	—	50	—	100	—	—
	600	TG3226	3253.00	TG3226R	4167.00	—	75	—	100	—	—

## Three-pole, 240 Volts ac

	30	TG4321 ③	126.00	TG4321R	193.00	1½	3	3	7½	—	5
	60	TG4322	213.00	TG4322R	286.00	3	7½	10	15	3	10
	100	TG4323	366.00	TG4323R	527.00	7½	15	15	30	—	20
	200	TG4324	788.00	TG4324R	957.00	15	25	15	50	—	—
	400	TG3325	1737.00	TG3325R	2251.00	—	50	—	100	—	—
	600	TG3326	3482.00	TG3326R	4857.00	—	75	—	100	—	—

## Four-wire SN, 208/120 and 240 Volts ac

	30	TG4321 ③	126.00	TG4321R	193.00	1½	3	3	7½	—	5
	60	TG4322	213.00	TG4322R	286.00	3	7½	10	15	3	10
	100	TG4323	366.00	TG4323R	527.00	7½	15	15	30	—	20
	200	TG4324	788.00	TG4324R	957.00	15	25	15	50	—	—
	400	TG4325	1985.00	TG3325R plus TNI65	2251.00 ④ 232.00 ④	—	50	—	100	—	—
	600	TG4326	3704.00	TG3326R plus TNI66	4857.00 ④ 232.00 ④	—	75	—	100	—	—

## No Fuse

**Two-pole, 240 Volts ac (Use three-pole switch for two-pole application); 250 Volts dc (30-100 amps only)**  
**Three-pole, 240 Volts ac or Two-pole with Switching Neutral**

	30	TGN3321 ③	102.00	TGN3321R	193.00	3	7½	3	7½	—	5
	60	TGN3322 ③	135.00	TGN3322R ⑤	286.00	10	15	10	15	3	10
	100	TGN3323 ③	313.00	TGN3323R ⑤	527.00	15	30	15	30	—	20
	200	TGN3324	579.00	TGN3324R	957.00	15	50	15	50	—	—
	400	TGN3325	1397.00	Available in heavy duty, type TH models		—	100	—	100	—	—
	600	TGN3326	2667.00			—	100	—	100	—	—

① 200-600 amp devices available factory reversed for bottom feed. Add "B" suffix to Catalog Number (e.g., TG3224B). **List Price adder \$44.00, GO-131A.** UL Listed.

② 30-200 amp devices have removable closing cap. Larger ampere devices require field cut openings. Order hubs separately, see page 2-13.

③ Packaged five per carton.

④ Order switch and neutral separately.

⑤ Not suitable for use as service equipment. Solid neutral not available.

### References:

Accessories and Lug Sizes . . . Pages 2-10 thru 2-13  
Descriptive Bulletin . . . GEA-12144  
Dimensions and Knockouts . Pages 2-14 thru 2-18  
Replacement Parts Bulletin . . . . . GEF-4452



# Spec-Setter™ Safety Switches, Mill Duty Type TH

30-600 Amperes  
240, 480 and 600 Volts ac,  
250 and 600 Volts dc

## Type TH Interrupting and Withstandability Ratings

Switch Rating (Amps)	Interrupting Rating rms Amps, 600 Volt ac 3-ph	Fuse Clearing I <sup>2</sup> t (Amps <sup>2</sup> x Seconds x 10 <sup>3</sup> )
30	360	50
60	1200	200
100	1200	500
200	3,400	2,000
400	10,000	6,000
600	10,000	12,000

### Cartridge Fuse, Type TH Switches

Designed for mill, foundry and industrial applications where safety, high performance and continuity of service are essential.

- UL Listed (Enclosed Switches No. 98).
- Meet Federal Specification WS-865C for heavy duty switches.
- Meet major automotive manufacturer's and JIC electrical specifications.

- Meet NEMA Enclosed Safety Switch Standard KS1-1990 for Type HD.
- Full cover interlocks.
- 60°C and 75°C conductor ratings.
- Quick-make, quick-break mechanisms.
- Suitable for use as service entrance equipment when installed in accordance with the National Electrical Code.

UL Listed ratings for fusible switches when used with these fuses:

- Class H (10,000 rms amps, sym IC)  
Standard on 30-600 amp.
- Class L (100,000 rms amp, sym IC)  
Standard on 800-1200 amp.
- Class J (200,000 rms amp, sym IC)  
See page 2-13 for field conversion details.
- Class R (200,000 rms amp, sym IC)  
Order appropriate Class R fusing kit from page 2-13.

Schematic Diagram	Maximum Ampere Rating	Type 12Ⓞ		Type 4/4X Stainless SteelⓄ		Horsepower Ratings						
		Catalog Number	List Price, GO-131B	Catalog Number	List Price, GO-131B	ac				dc		
						NEC Standard		Time Delay (Max.)		125 Volts	250 Volts	600 Volts
						240 Volts		240 Volts				
1-ph	3-ph	1-ph	3-ph									

## 240 Volts—Fusible

Two-pole, 240 Volts ac—250 Volts dc												
	30	TH2221M	\$ 324.00	TH2221MSS	\$ 1349.00	1½	—	3	—	—	5	—
	60	TH2222M	437.00	TH2222MSS	1630.00	3	—	10	—	5	10	—
	100	TH2223M	647.00	TH2223MSS	3573.00	7½	—	15	—	—	20	—
	200	TH2224M	1085.00	TH2224MSS	4914.00	15	—	—	—	—	40	—
Three-pole, 240 Volts ac												
	30	TH3321M	393.00	TH3321MSS	1432.00	1½	3	3	7½	—	5	—
	60	TH3322M	566.00	TH3322MSS	1767.00	3	7½	10	15	5	10	—
	100	TH3323M	875.00	TH3323MSS	3771.00	7½	15	15	30	—	20	—
	200	TH3324M	1305.00	TH3324MSS	5305.00	15	25	—	60	—	40	—
	400	TH3325M	2883.00	TH3325MSS	10039.00	—	50	—	125	—	50	—
	600	TH3326M	4804.00	TH3326MSS	14480.00	—	75	—	200	—	50	—

## 240 Volts—No Fuse Use 600-volt switches 600 Volts—Fusible

Two-pole, 600 Volts dc						ac				dc		
						480V 3-ph	600V 3-ph	480V 3-ph	600V 3-ph	125V	250V	600V
	30	TH2261MDC	579.00	TH2261MSSDC	1760.00	—	—	—	—	—	—	15
	60	TH2262MDC	600.00	TH2262MSSDC	1943.00	—	—	—	—	—	—	25
	100	TH2263MDC	929.00	TH2263MSSDC	3864.00	—	—	—	—	—	—	25
Three-pole, 480 and 600 Volts ac—250 Volts dc												
	30	TH3361M	627.00	TH3361MSS	1762.00	5	7½	15	20	—	5	—
	60	TH3362M	647.00	TH3362MSS	1941.00	15	15	30	50	5	10	—
	100	TH3363M	1006.00	TH3363MSS	3867.00	25	30	60	75	—	20	—
	200	TH3364M	1619.00	TH3364MSS	5417.00	50	60	125	150	—	40	—
	400	TH3365M	3599.00	TH3365MSS	10307.00	100	125	250	350	—	50	—
	600	TH3366M	6004.00	TH3366MSS	14278.00	150	200	400	500	—	50	—

## 600 Volts—No Fuse

Two-pole, 600 Volts dc						ac				dc		
						240V 1-ph	240V 3-ph	480V 3-ph	600V 3-ph	125 Volts	250 Volts	600 Volts
	30	THN2261MDC	466.00	THN2261MSSDC	1484.00	—	—	—	—	—	—	15
	60	THN2262MDC	483.00	THN2262MSSDC	1760.00	—	—	—	—	—	—	25
	100	THN2263MDC	742.00	THN2263MSSDC	3599.00	—	—	—	—	—	—	25
Three-pole, 480 and 600 Volts ac—250 Volts dc												
	30	THN3361M	500.00	THN3361MSS	1482.00	3	10	20	30	3	5	—
	60	THN3362M	517.00	THN3362MSS	1762.00	10	20	50	60	5	10	—
	100	THN3363M	803.00	THN3363MSS	3604.00	20	40	75	100	—	20	—
	200	THN3364M	1082.00	THN3364MSS	4917.00	30	60	125	150	—	40	—
	400	THN3365M	2881.00	THN3365MSS	9852.00	—	125	250	350	—	50	—
	600	THN3366M	4804.00	THN3366MSS	13207.00	—	200	400	500	—	50	—

Ⓞ All mill duty switches accept neutral and auxiliary contact kits. Order from page 2-11.

### References:

- Accessories and Lug Sizes . . . . . Pages 2-10 thru 2-13
- Descriptive Bulletin . . . . . GEA-12144
- Dimensions and Knockouts . . . . . Pages 2-14 thru 2-18
- Replacement Parts Bulletin . . . . . GEF-4452

Prices and data subject to change without notice

2 SAFETY SWITCHES