

Heavy Duty Safety Switches

GE's Type TH heavy duty safety switches are designed for commercial and industrial applications where safety, high performance and continuity of service are essential. Heavy duty switches are available in 30-1200 amps, 600 Vac, 600 Vdc maximum, fusible and non-fusible units, and in NEMA Type 1 (indoor), Type 3R (outdoor), Type 4/4X (water and dust-tight, corrosion resistant), and Type 5/12 (drip and dust-tight) enclosures. When used with Class R or J fuses, 30-600 amp switches have a UL Listed short circuit rating of 200,000 rms symmetrical amps. Switches rated 800-1200 amps use Class L fuses and have a UL Listed short circuit rating of 100,000 rms symmetrical amps. GE's heavy duty safety switches are UL Listed as service entrance equipment when installed in accordance with the National Electrical Code.

All GE Heavy Duty safety switches carry the following certifications:

- UL Listed and cUL Listed (UL98 Enclosed Switches/CSA-C22.2 No. 4-04)
- Federal Specification WS-865C
- NEMA Enclosed Safety Switch Standard KS1-2013
- Seismic Certified

Features



200A/Fusible/3 Pole/600V/N3R
TH3364R

- ✓ 1 Highly visible ON/OFF label
 - ✓ 2 Donut handle ideal for hook stick operation and accepts 3 padlocks in the OFF position
 - ✓ 3 Direct-drive, quick-make, quick-break mechanism "snaps" contacts open and closed providing positive ON/OFF indication
 - ✓ 4 Wide, unobstructed gutter
 - ⚙ 5 Self-leveling, three-point mounting system
 - ⚙ 6 Coin-proof, defeatable interlock
 - ✓ 7 Clear line shield allows visual confirmation of plated blade positions while helping to protect against accidental contact with live parts
 - ✓ 8 Spring reinforced fuse clips assure reliable contact for cool operation. Suitable for Class H, K, J or R fuses, where applicable
- ✓ Safety ⚙ Ease of Installation and Maintenance



Heavy Duty Safety Switches (continued)

Fusible

	Amperage Rating	Product Number		Horsepower Rating										DC Hp	
		NEMA Type 1 Indoor	NEMA Type 3R Outdoor	Three-Phase 240 Vac		Single-Phase 480 Vac		Three-Phase 480 Vac		Single-Phase 600 Vac		Three-Phase 600 Vac		125 Vdc	250 Vdc
				Standard Fuse	Time Delay	Standard Fuse	Time Delay	Standard Fuse	Time Delay	Standard Fuse	Time Delay	Standard Fuse	Time Delay	Standard Fuse	
Fusible / 2 Pole / 2 Wire ¹ / 600V / 50/60 Hz															
	800	TC72267 ^{2,3}	TC72267R ^{2,3}												
	1200	TC72268 ^{2,3,8}	TC72268R ^{2,3,8}												
Fusible / 3 Pole / 3 Wire / 600V / 50/60 Hz															
	30	TH3361	TH3361R		7.5	3	7.5	5	15	3	10	7.5	20		5
			TH3361RF ⁶												
			TH3361RF2 ⁶												
	60	TH3362	TH3362R			5	20	15	30	10	25	15	50	5	10
			TH3362RF ⁶												
	100	TH3363	TH3363R			10	30	25	60	15	40	30	75		20
	200	TH3364 ⁴	TH3364R ⁷			25	50	50	125	30	50	60	150		40
	400	TH3365 ⁴	TH3365R	50	125			100	250			125	350		50
	600	TH3366 ⁴	TH3366R	75	200			150	400			200	500		50
800	TC72367 ^{2,3,5}	TC72367R ^{3,5}													
1200	TC72368 ^{2,3,5,8}	TC72368R ^{3,5,8}													
Fusible / 3 Pole / 4 Wire / 600V / 50/60 Hz (Neutral factory installed)															
	30	TH4361	TH4361R		7.5	3	7.5	5	15	3	10	7.5	20		5
	60	TH4362	TH4362R			5	20	15	30	10	25	15	50	5	10
	100	TH4363	TH4363R			10	30	25	60	15	40	30	75		20
	200	TH4364	TH4364R			25	50	50	125	30	50	60	150		40
Fusible / 3 Pole / 4 Wire/ 600V / 50/60 Hz CSA Certified for service entrance															
	200	TH4364C	TH4364RC			25	50	50	125	30	50	60	150		40
	400	TH4365C	TH4365RC	50	125			100	250			125	350		50
	600	TH4366C	TH4366RC	75	200			150	400			200	500		50
	800	TH4367C	TH4367RC												
	1200	TH4368C	TH4368RC												

	Amperage Rating	Product Number		Horsepower Rating										DC Hp	
		NEMA Type 5, 12 Indoor	NEMA Type 3R, 5, 12 Outdoor	Three-Phase 240 Vac		Single-Phase 480 Vac		Three-Phase 480 Vac		Single-Phase 600 Vac		Three-Phase 600 Vac		125 Vdc	250 Vdc
				Standard Fuse	Time Delay	Standard Fuse	Time Delay	Standard Fuse	Time Delay	Standard Fuse	Time Delay	Standard Fuse	Time Delay	Standard Fuse	
															Standard Fuse
Fusible / 3 Pole / 3 Wire / 600V / 50/60 Hz															
	30	TH3361J ⁷	TH3361JR		7.5	3	7.5	5	15	3	10	7.5	20		5
	60	TH3362J ⁷	TH3362JR			5	20	15	30	10	25	15	50	5	10
	100	TH3363J ⁷	TH3363JR			10	30	25	60	15	40	30	75		20
	200	TH3364J ⁷	TH3364JR			25	50	50	125	30	50	60	150		40
	400	TH3365J	TH3365JR	50	125			100	250			125	350		50
	600	TH3366J	TH3366JR	75	200			150	400			200	500		50

¹3 wire with neutral kit. For 800A use TNI67; for 1200A use TNI68A.

²Rated 600 Vac only. Accepts Class L fuses only. Type HD electrical performance does not apply.

³Order switch and neutral separately.

⁴Type 1 Enclosure: 200-600 Amp devices available, factory reversed for bottom feed. Add "B" suffix.

⁵4 wire with neutral kit. For 800A use TNI67; for 1200A use TNI68A.

⁶Farm Switch with oversize Type 3R enclosure with vertical hinge. See page 29 for dimensions.

⁷Available with Viewing Window. Add "W" suffix.

⁸Suitable for use as service entrance equipment except on 1200A solidly grounded wye systems per NEC 230.95

Heavy Duty Safety Switches (continued)

Non-Fusible

	Amperage Rating	Product Number			Horsepower Rating						DC Hp
		NEMA Type 1 Indoor	NEMA Type 3R Outdoor	NEMA Type 5, 12	Single-Phase	Three-Phase	Single-Phase	Three-Phase	Single-Phase	Three-Phase	250 Vdc
					240 Vac Standard		480 Vac Standard		600 Vac Standard		Standard
Non-Fusible / 3 Pole / 3 Wire / 240V / 50/60 Hz											
	30	THN3321			3	10					5
Non-Fusible / 3 Pole / 3 Wire / 600V / 50/60 Hz											
	30	THN3361 ²	THN3361R	THN3361J ^{2,3}	3	10	7.5	20	10	30	5
			TH3361RF ⁴								
			TH3361RF2 ⁴								
	60	THN3362 ²	THN3362R	THN3362J ^{2,3}	10	20	20	50	25	60	103
			THN3362RF ⁴								
	100	THN3363 ²	THN3363R	THN3363J ^{2,3}	20	40	30	75	40	100	20
	200	THN3364 ^{1,2}	THN3364R	THN3364J ³	30	60	50	125	50	150	40
	400	THN3365 ¹	THN3365R	THN3365J		125		250		350	50
	600	THN3366 ¹	THN3366R	THN3366J		200		400		500	50
800	TC36367										
1200	TC36368 ⁵										

¹Type 1 Enclosure: 200-600 Amp devices available factory reversed for bottom feed. Add "B" suffix.

²Available with Copper Lug. Add "CL" suffix

³Available with Viewing Window. Add "W" suffix.

⁴Farm switch with oversize Type 3R enclosure and vertical hinge. See page 29 for dimensions.

⁵Suitable for use as service entrance equipment except on 1200A solidly grounded wye systems per NEC 230.95

DC Rated Heavy Duty Safety Switches

	Amperage Rating	Product Number			DC Horsepower Ratings				
		NEMA Type 1 Indoor	NEMA Type 3R Outdoor	NEMA Type 5, 12	125 Vdc		250 Vdc	600 Vdc	
					Standard Fuse	Time Delay	Standard Fuse	Standard Fuse	Time Delay
Fusible / 2 Pole / 2 Wire / 600Vdc / 50/60 Hz									
	30	TH2261DC	TH2261RDC	TH2261JDC	2	3	5	10	15
	60	TH2262DC	TH2262RDC	TH2262JDC	5		10	25	
	100	TH2263DC	TH2263RDC	TH2263JDC			20	25	
Non-Fusible / 2 Pole / 2 Wire / 600Vdc / 50/60 Hz									
	30	THN2261DC	THN2261RDC	THN2261JDC	3		5	15	
	60	THN2262DC	THN2262RDC	THN2262JDC	5		10	25	
	100	THN2263DC	THN2263RDC	THN2263JDC			20	25	

Heavy Duty Safety Switch Short Circuit Ratings

Maximum System Voltage	Ampere Rating	UL Listed Fusing		Enclosure Type
		Class	Withstand Rating (rms Sym Amps)	
Fusible				
600 Vac 600 Vdc	30-1200	H	10,000	N1
		R	200,000 ⁷	N3R
		J	200,000 ⁷	N4/4X
		L ⁶	100,000	N5 N12
Non-Fusible: Fuse withstand ratings apply to non-fused switches when protected by an upstream fuse as listed				
600 Vac 600 Vdc	30-1200	No upstream protection	10,000	N1
		H upstream	10,000	N3R
		R upstream	200,000	N4/4X
		J upstream	200,000	N5
		L upstream	100,000	N12

⁶Class L fuses are only applicable when used with 800 and 1200A Type TC safety switches.

⁷Unless otherwise noted on the enclosure

Lug Wire Sizes Line and Load Terminals

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

