

# Safety Switches

## Accessories: NEMA Type 1 and 3R Enclosures

## Section 4

Spec-Setter™ Safety Switches  
 30-600 Amperes: TG and TH  
 800-1200 Amperes: TC



TGL1 Equipment Ground Kit

### Equipment Ground Kits

Ampere Rating	Wire Range AWG/kcmil Copper	Wire Range AWG/kcmil Aluminum	Standard Package	Product Number
30A	(4) 14-8, (3) 14-4	(4) 14-8, (3) 6-4	20	TGL1
60A				
100A	(3) 10-1/0	(3) 10-1/0	1	TNG3
200A				
600A	(3) 2-250	(3) 2-250	1	TGL6
400A				

### Neutral Kit Insulated, Groundable and Bondable

Ampere Rating	System Voltage	Fusible	Wire Range AWG/kcmil Copper	Wire Range AWG/kcmil Aluminum	Standard Package	Product Number
30A	240Vac					TNI21
30A	600Vac		12-2	12-2	1	TNI62 <sup>1</sup>
60A		Yes	12-2	12-2	1	TNIA62
100A		Yes	10-1/0	10-1/0	1	TNIA63
100A		No	10-1/0	10-1/0	1	TNI63 <sup>1</sup>
200A			2-250	2-250	1	TNIA64
400A			(1) 2-600 or (2) 1/0-250	(1) 2-600 or (2) 1/0-250	1	TNI65
400A			(1) 350-800	(1) 350-800	1	TNI65A
600A			(2) 4-500	(2) 4-500	1	TNI66
800A			(3) 2-600 or (6) 1/0-250	(3) 2-600 or (6) 1/0-250	1	TNI67
1200A			(4) 3/0-800	(4) 3/0-800	1	TNI68A



TNG3 Equipment Ground Kit

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

<sup>1</sup>Not suitable for type TG switches.

### 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
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



# Safety Switches

## Accessories: NEMA Type 4/4X, 12 and Mill Duty Enclosures

## Section 4

Spec-Setter™ Safety Switches  
30-600 Amperes: TH

### Lug Wire Sizes

#### Line and Load Terminals

Switch Ampere Rating	Factory Installed		Field Installed Crimp Lugs (See Table on page 4-27)	
	Copper	Aluminum	Copper	Aluminum
30A-240V	14-8	12-8	-	-
30A-600V	14-6	14-6	14-8	-
60	14-2	14-2	8-4	-
100	14-1/0	12-1/0	6-1/0	6-2/0
200	6-250	-	1/0-250	-
400	(1) 2-600 or (2) 1/0-250	-	(2) 300-600 or (1) 750	(2) 250-600 or (1) 750
600	(2) 4-600	-	(2) 300-600 or (1) 750	(2) 250-600 or (1) 750

#### Equipment Ground Terminals—Two lugs supplied per switch, provision for one additional lug.

30	14-6	14-6	14-8	-
60	14-6	14-6	14-8	-
100	14-4	14-4	8	6
200	14-4	14-4	6	4
400	14-1/0	12-1/0	3-2	1
600	14-2/0	14-2/0	1	2/0

### Auxiliary Contact Kits

Auxiliary contacts designed to open before switch blades. UL Listed for field installation. Product number listed is for field installed kit.

Series Prefix	Ampere Rating	System Voltage	Standard Package	Contacts	Product Number
TH, THN	30A	240V	1	DPDT	THAUX21D
TH, THN	30A	240V	1	SPDT	THAUX61S
TH, THN	30A	600V	1	DPDT	THAUX64D
TH, THN	60-200A	240-600V	-	-	-
TH, THN	400-600A	240-600V	1	DPDT	THAUX66D

For Contact Pilot Duty Ratings, see page 4-25.

### Optional Copper Lug Neutrals

Ampere Rating	Fusible	Lug Wire Size, AWG/kcmil, Cu Only	Standard Package	Product Number
30A-60A	No	14-2	1	TNIJA62CL

### Neutral Kit Insulated, Groundable and Bondable

Ampere Rating	System Voltage	Fusible	Lug Wire Size AWG/kcmil Factory Installed Aluminum	Lug Wire Size AWG/kcmil Factory Installed Copper	Lug Wire Size AWG/kcmil Field Installed Crimp Lugs Copper	Lug Wire Size AWG/kcmil Field Installed Crimp Lugs Aluminum	Standard Package	Product Number
30A	240Vac	Yes	12-8	14-8	-	-	-	TNI21
30A	600Vac <sup>1</sup>	Yes/No	14-6	14-6	14-8	-	1	TNIJ61
60A	600Vac <sup>2</sup>	Yes	14-2	14-2	8-4	-	1	TNIJ62
60A	240Vac <sup>2</sup>	Yes	14-2	14-2	8-4	-	1	TNIJ62
60A	600Vac	Yes	14-2	14-2	8-4	-	1	TNIJ62
60A	600Vac <sup>2</sup>	No	14-2	14-2	8-4	-	1	TNIJA62
60A	600Vac	No	14-2	14-2	8-4	-	1	TNIJA62
100A	240-600Vac	-	12-1/0	14-1/0	6-1/0	6-2/0	1	TNIJ63
200A	240-600Vac	-	6-250	6-250	1/0-250	1/0-250	1	TNIJ64
400-600A	240-600Vac	-	(2) 4-600	(2) 4-600	(2) 300-600 or (1) 750	(2) 250-600 or (1) 750	1	TNIJ66

<sup>1</sup>Type 4, 4x, 12

<sup>2</sup>Mill duty type

