

Safety Switches

Accessories: NEMA Type 1 and 3R Enclosures

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

Auxiliary Contact Kits

- UL Listed for field installation.
- Auxiliary contacts open before switch blades.
- Standard Package = 1.

Series Prefix	Ampere Rating	No. of Poles	Contacts	Contact Ratings	Product Number
TH,THN	30A	2	DPDT	10A, 125/250Vac 0.30A, 125Vdc 0.15A, 250Vdc	THAUX21D
		3			
TH,THN	30A	2	SPDT	15A, 600Vac 0.50A, 125Vdc 0.25A, 250Vdc	THAUX61S
		3			
TH,THN	60A	2	DPDT	15A, 600Vac 0.50A, 125Vdc 0.25A, 250Vdc	THAUX64D
	100A	3			
	200A				
TH,THN	400A	2	DPDT	15A, 600Vac 0.50A, 125Vdc 0.25A, 250Vdc	THAUX66D
	600A	3			
TH,THN	30A	6	DPDT	15A, 600Vac 0.50A, 125Vdc 0.25A, 250Vdc	THAUX66D
	60A				
	100A				
TH,THN	200A	6	DPDT	15A, 600Vac 0.50A, 125Vdc 0.25A, 250Vdc	THAUX66D2

Contact Pilot Duty Ratings - 600 Volt Kits

Volts	Inrush Current			DC (Resistive)	
	N.C.	N.O.	AC Break Normal Current	Volts	Break Normal Current
115	30	15	15	125	0.5
230	30	15	250	0.25	
460	30	15	15	-	-
575	15	15	2	-	-

Semidust-tight Door Gasket Kits

Types TH Indoor, TG and TH Outdoor Switches. Product Number listed is for field mounted kit.

Ampere Rating	Standard Package	Product Number
30A	1	THG106
60A		
100A		
200A	1	THG107
600A	1	THG108
400A		



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 ¹	Yes/No	14-6	14-6	14-8	-	1	TNIJ61
60A	600Vac ²	Yes	14-2	14-2	8-4	-	1	TNIJ62
60A	240Vac ²	Yes	14-2	14-2	8-4	-	1	TNIJ62
60A	600Vac	Yes	14-2	14-2	8-4	-	1	TNIJ62
60A	600Vac ²	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

¹Type 4, 4x, 12

²Mill duty type

