

BUYLOG SECTION 4

# Safety switches







# Table of contents

<b>Overview</b>	4-4
<b>AC disconnects</b>	4-6
<b>Spec-Setter™ safety switches</b>	4-9
<b>Emergency power transfer switches</b>	4-22
<b>Accessories</b>	4-24

Overview



	AC Disconnects	Spec Setter (types TG, TH, TC, TDT) )	Emergency Power Transfer Switch (type TC)
Application	Residential	Residential/commercial/industrial	Generator or other emergency electricity source
Poles / wires		2p/2w, 2p/3w, 3p/3w, 3p/4w	2p/3w, 3p/3w, 3p/4w
Voltage	240 V AC	240 V AC, 240 V DC, 600 V AC, 600 V DC	120/240Vac, 240Vac
Amperage	30 - 60	30 - 1200	100 - 200
Enclosure ratings			
NEMA 1		■	
NEMA 3R	■	■	■
NEMA 4/4X SS 304			
NEMA 4/4X SS 316		■	
NEMA 5/12		■	
Withstand class/rating			
Any other protective device			
H upstream		■	
J upstream		■	
K upstream		■	
L upstream		■	
R upstream		■	
T upstream			
Specialty types			
Smart		■	
DC		■	
Interlocked receptacle		■	
Red		■	
Fusing			
Fusible	■	■	
Non-fusible	■	■	■
HP Rated	■	■	
Starting page			
Accessories			
Equipment ground kits		■	
Neutral kits		■	
Auxiliary contact kits		■	
Door gaskit kits		■	
Fusing kits		■	
Raintight hubs		■	■
Replacement handles		■	
Line shield kits		■	





AC disconnects

Table of contents

AC disconnects	
Product overview	4-7
Ordering codes	4-7

## AC disconnects

### Product overview

Steel fusible and non-fusible AC Disconnects allow you to easily and safely disconnect the power to your AC units as needed for maintenance. Plastic AC Disconnects are versatile in applications such as with air conditioners, water heaters, etc.

#### Features

- Compact size
- Easy installation
- Fusible or non-fusible types
- Plastic or metal enclosures
- Puller or non-automatic switch type disconnections
- Fusible—UL869 Service Equipment
- Non-Fusible—UL 1429 Enclosed Pullout switch



TF30R



TF60R



TFN60RGFR



TPN60R

#### AC steel disconnect, NEMA 3R enclosure

	Amperage rating	HP rating	Standard fuse class	15A GFCI outlet	Height	Width	Depth	Standard package	Replacement puller	Ordering code
<b>Fusible</b>										
	30	3	H, K1, K5, K9, RK1, RK5	—	7.5	5.19	2.5	6	TF302A	TF30R
	60	10	H, K1, K5, K9, RK1, RK5	—	9.25	5.19	2.5	6	TF602	TF60R
<b>Non-fusible</b>										
	60	10	—	Factory Installed	7.5	5.19	2.5	6	TFN652	TFN60R
	60	10	—	Factory Installed	7.13	5.5	5.19	6	TFN652	TFN60RGFR
<b>Non-automatic</b>										
	60	10	—	Factory Installed	7.5	5.19	2.5	6	—	TNA60R1
	60	10	—	Factory Installed	7.13	5.5	5.19	6	—	TNA60RGFR

#### AC plastic disconnect, NEMA 3R enclosure

	Amperage rating	HP rating	Standard fuse class	Removable Closing cap	Height	Width	Depth	Standard package	Replacement puller	Ordering code
<b>Fusible</b>										
	30	3	H, K1, K5, K9, RK1, RK5	Yes	7.0	5.75	3.13	6	TF302A	TPF30R
	60	10	H	Yes	7.0	5.75	3.0	6	TF60	TPF60R
<b>Non-fusible</b>										
	60	10	—	Yes	8.0	5.0	2.5	6	TFN652	TPN60R
	60	10	—	No	7.5	5.19	5.19	6	TFN652	TPN60R1
<b>Non-automatic</b>										
	60	10	—	No	7.0	5.75	3.13	6	—	TPNA60R1





## Spec-Setter safety switches

### Table of contents

<b>Spec-Setter™ safety switches</b>	
Overview	4-10
Product overview	4-11
Ordering code construction	4-11
General duty	
NEMA types 1 and 3R	4-12
Heavy duty	
NEMA types 1 and 3 R, 240V	4-13
NEMA types 1 and 3 R, 600V	4-14
NEMA types 4X, 5/12, 240V	4-15
NEMA types 4X, 5/12, 600V	4-16
NEMA types 4X, 5/12, DC rated	4-17
NEMA type 3R - 600Vac, 600Vdc, Smart switch	4-18
Double throw fusible and non-fusible	
NEMA types 1 and 3R, 240V	4-19
NEMA types 1 and 3R, 600V	4-20
NEMA type 4X, 600V	4-21

Spec-Setter  
Overview



	Spec Setter General Duty (type TG)	Spec Setter Heavy Duty (type TH)	Spec Setter Double Throw (TC, TDT)
Application	Residential/light commercial	Commercial/industrial	Two (2) power sources
Poles / wires	2p/3w, 3p/3w, 3p/4w	2p/2w, 2p/3w, 3p/3w, 3p/4w	3p/3w
Voltage	240 V AC, 240 V DC	240 V AC, 240 V DC, 600 V AC, 600 V DC	240 V AC, 250 V DC, 600 V AC
Amperage	30 - 600	30 - 1200	30 - 1200
Enclosure ratings			
NEMA 1	■	■	■
NEMA 3R	■	■	■
NEMA 4/4X SS 304		■	■
NEMA 4/4X SS 316		■	
NEMA 5/12		■	
Withstand class/rating			
Any other protective device			
H upstream	■	■	■
J upstream		■	■
K upstream	■	■	■
L upstream		■	■
R upstream	■	■	■
T upstream			■
Specialty types			
Smart		■	
DC		■	
Interlocked receptacle		■	
Red	■	■	
Fusing			
Fusible	■	■	■
Non-fusible	■	■	■
HP Rated	■	■	■
Starting page			
Accessories			
Equipment ground kits	■	■	■
Neutral kits	■	■	■
Auxiliary contact kits		■	■
Door gasket kits		■	
Fusing kits	■	■	■
Raintight hubs	■	■	■
Replacement handles		■	
Line shield kits	■	■	

## Spec-Setter safety switches

### Product overview



#### All ABB Spec-Setter 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
- Service Entrance Rated (unless otherwise noted)

#### Features




- All Spec-Setter safety switches are horsepower rated with the following exceptions:
  - 800A single throw type TC switches
  - 1200A single and double throw type TC and TDT switches

### Ordering code construction



T										H										N										3										3										6										1										R										DC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
ABB identification																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

## General duty safety switches

### NEMA types 1 and 3R - 240Vac

	Amperage rating	Ordering code					
		NEMA Type 1 indoor	NEMA Type 3R outdoor	Ground kit	Neutral kit	Standard fuse class	Class R fuse rejection kit <sup>5</sup>
Fusible / 2 pole / 3 wire							
	30	TG3221	TG3221R	TGL1	Factory installed	H, K, and R	TGRK12
	60	TG3222	TG3222R				TGRK22
	100	TG3223	TG3223R	TNG3			TGRK42
	200	TG3224 <sup>1</sup>	TG3224R		H and K		–
	400	TG3225 <sup>1,2</sup>	TG3225R <sup>2</sup>	TGL6			–
	600	TG3226 <sup>1,2</sup>	TG3226R <sup>2</sup>				–
Fusible / 3 pole / 4 wire							
	30	TG4321	TG4321R	TGL1	Factory installed	H, K, and R	TGRK12
	60	TG4322	TG4322R				TGRK22
	100	TG4323	TG4323R	TNG3			TGRK42
	200	TG4324 <sup>1</sup>	TG4324R		H and K		–
	400	TG4325 <sup>1,2</sup>	<sup>4</sup>	TGL6			–
	600	TG4326 <sup>1,2</sup>	<sup>4</sup>				–
Non-fusible / 3 pole / 3 wire							
	30	TGN3321	TGN3321R	TGL1	TNI21	–	–
	60	TGN3322	TGN3322R		<sup>3</sup>		
	100	TGN3323	TGN3323R	TNG3	<sup>3</sup>		
	200	TGN3324 <sup>1</sup>	TGN3324R		TNIA64	TNI65 or TNI65A	
	400	TGN3325 <sup>1,2</sup>	<sup>4</sup>	TGL6			
	600	TGN3326 <sup>1,2</sup>	<sup>4</sup>		TNI66		

### NEMA types 1 and 3R - red - 240Vac

	Amperage rating	Ordering code					
		NEMA Type 1 indoor	NEMA Type 3R outdoor	Ground kit	Neutral kit	Standard fuse class	Class R fuse rejection kit <sup>5</sup>
Fusible / 2 pole / 3 wire							
	30	TG3221VRED	–	TGL1	Factory installed	H, K, and R	TGRK12
Fusible / 3 pole / 4 wire							
	30	TG4321VRED	–	TGL1	Factory installed	H, K, and R	TGRK12
	60	TG4322VRED	–				TGRK22

For Type 3R enclosures: 30-200 ampere devices have removable closing cap. Order hubs for these devices separately on page 4-23.

Larger amp devices require field cut openings and customer supplied hubs.

General duty safety switches are not suitable for use as service entrance equipment in Canada; use heavy duty safety switches.

<sup>1</sup> Add "B" suffix for factory reversed bottom feed (e.g. TG3224B.) UL listed. Handle will be on the left side.

<sup>2</sup> Single make-single break mechanism




<sup>3</sup> Not suitable for use as service equipment. Solid neutral not available.

<sup>4</sup> NEMA Type 3R fusible and non-fusible versions, 400-600 ampere rating, available in heavy duty, type TH models. See pages 4-9 through 4-12.

<sup>5</sup> When specifications permit only Class R fuses, these kits may be installed in the switch to deter fuses other than Class R from being installed.

## Heavy duty safety switches

### NEMA types 1 and 3R - 240Vac - fusible

	Amperage rating	Ordering code								
		NEMA Type 1 indoor	NEMA Type 3R outdoor	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit <sup>8</sup>	Auxiliary contact kits	
									SPDT	DPDT
2 pole / 3 wire										
	30	TH3221	TH3221R <sup>1</sup>	TGL1	Factory installed	H, K, and R	–	TRK12B	THAUX61S	THAUX21D
	60	TH3222 <sup>1</sup>	TH3222R <sup>1</sup>				–	TRK22A	–	THAUX64D
	100	TH3223 <sup>1</sup>	TH3223R <sup>1</sup>	TNG3			Move load–block <sup>7</sup>	TRK46A	–	
	200	TH3224 <sup>1,2,3</sup>	TH3224R <sup>1,2,3</sup>					–		
	400	TH3225 <sup>2,3</sup>	TH3225R <sup>2,3</sup>	TGL6				TRK56A	–	THAUX66D
	600	TH3226 <sup>2,3</sup>	TH3226R <sup>2,3</sup>				THJ6	TRK66A		
	800	TC72267 <sup>4,6</sup>	TC72267R <sup>4,6</sup>	5	TNI67	L	–	–	–	–
	1200 <sup>9</sup>	TC72268 <sup>4,6</sup>	TC72268R <sup>4,6</sup>	5	TNI68A		–	–	–	–
3 pole / 3 wire										
	400	TH3325 <sup>2</sup>	TH3325R	TGL6	TNI65 or TNI65A	H, K, and R	Move load–block <sup>7</sup>	TRK56A	–	THAUX66D
	600	TH3326 <sup>2</sup>	TH3326R		TNI66		THJ6	TRK66A	–	
3 pole / 4 wire										
	30	TH4321	TH4321R <sup>1</sup>	TGL1	Factory installed	H, K, and R	–	TRK12B	THAUX61S	THAUX21D
	60	TH4322 <sup>1</sup>	TH4322R <sup>1</sup>				–	TRK22A	–	THAUX64D
	100	TH4323 <sup>1</sup>	TH4323R <sup>1</sup>	TNG3			Move load–block <sup>7</sup>	TRK46A	–	
	200	TH4324 <sup>1,2,3</sup>	TH4324R <sup>1,3</sup>					–		
	400	TH4325 <sup>2,3</sup>	TH4325R <sup>3</sup>	TGL6				TRK56A	–	THAUX66D
	600	TH4326 <sup>2,3</sup>	TH4326R <sup>3</sup>				THJ6	TRK66A	–	

### NEMA types 1 and 3R - 240Vac -non-fusible

	Amperage rating								Ordering code	
		NEMA Type 1 indoor	NEMA Type 3R outdoor	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit <sup>8</sup>	Auxiliary contact kits	
									SPDT	DPDT
3 pole / 3 wire / 240Vac										
	30	THN3321	–	TGL1	TNI21	–	–	–	THAUX61S	THAUX21D

<sup>1</sup> Available with viewing window, add "VW" suffix.

<sup>2</sup> Type 1 enclosure: 200-600 ampere devices available factory reversed for bottom feed. Add "B" suffix. Handle will be on the left side.

<sup>3</sup> For switches CSA Certified for service entrance, add "C" suffix. Will include solid neutral.

<sup>4</sup> For switches suitable for service entrance applications in Canada, order TH3267C, TH3267C, TH3267RC, TH3268C, or TH3268RC.

<sup>5</sup> Neutral kit is groundable and bondable.

<sup>6</sup> Rated 600 Vac only. Accepts Class L fuses only. Type HD electrical performance does not apply.

<sup>7</sup> Switches may be adapted to accept Class J fuses without a kit by moving the load-block toward the switch base and remounting.





<sup>8</sup> When specifications permit only Class R fuses, these kits may be installed in the switch to deter fuses other than Class R from being installed.

<sup>9</sup> May require additional provisions when 1200A fuses are used to meet NEC 240.67 2017 or later.




## Heavy duty safety switches

### NEMA types 1 and 3R - 600Vac - fusible

	Amperage rating	Ordering code							Auxiliary contact kits		
		NEMA Type 1 indoor	NEMA Type 3R outdoor	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit <sup>7</sup>	SPDT	DPDT	
2 pole / 2 wire											
	800	TC72267 <sup>1,5</sup>	TC72267R <sup>1,5</sup>	<sup>8</sup>	TNI67	L	–	–	–	–	
	1200	TC72268 <sup>1,5,6</sup>	TC72268R <sup>1,5,6</sup>	<sup>8</sup>	TNI68A		–	–	–	–	
3 pole / 3 wire											
	30	TH3361 <sup>4</sup>	TH3361R <sup>4</sup>	TGL1	TNI62	H, K, and R	Move load–block <sup>9</sup>	TRK16B	THAUX61S	THAUX21D	
			TH3361RF <sup>3</sup>								
		TH3362 <sup>4</sup>	TH3362R <sup>4</sup>		TNIA62			TRK26A	–	THAUX64D	
	TH3362RF <sup>3</sup>				–						
	100	TH3363 <sup>4</sup>	TH3363R <sup>4</sup>	TNG3	TNIA63			TRK46A	–		
	200	TH3364 <sup>2,4</sup>	TH3364R <sup>4</sup>		TNIA64			–			
	400	TH3365 <sup>2</sup>	TH3365R	TGL6	TNI65 or TNI65A			TRK56A	–	THAUX66D	
	600	TH3366 <sup>2</sup>	TH3366R		TNI66			THJ6	TRK66A	–	
	800	TC72367 <sup>1</sup>	TH72367R		<sup>8</sup>			TNI67	L	–	–
1200	TC72368 <sup>1,6</sup>	TC72368R <sup>6</sup>	<sup>8</sup>	TNI68A	–	–	–	–			
3 pole / 4 wire											
	30	TH4361 <sup>4</sup>	TH4361R <sup>4</sup>	TGL1	Factory installed	H, K, and R	Move load–block <sup>9</sup>	TRK16B	THAUX61S	THAUX21D	
	60	TH4362 <sup>4</sup>	TH4362R <sup>4</sup>					TRK26A	–	THAUX64D	
	100	TH4363 <sup>4</sup>	TH4363R <sup>4</sup>	TNG3				TRK46A	–		
	200	TH4364 <sup>4</sup>	TH4364R <sup>4</sup>					–			
3 pole / 4 wire / CSA Certified for service entrance											
	200	TH4364C <sup>4</sup>	TH4364RC <sup>4</sup>	TNG3	Factory installed	H, K, and R	Move load–block <sup>9</sup>	TRK46A	–	THAUX64D	
	400	TH4365C	TH4365RC	TGL6				TRK56A	–	THAUX66D	
	600	TH4366C	TH4366RC					THJ6	TRK66A	–	
	800	TH4367C	TH4367RC	<sup>8</sup>				–	–	–	–
	1200	TH4368C	TH4368RC	<sup>8</sup>				–	–	–	–

### NEMA types 1 and 3R - 600Vac - non-fusible

	Amperage rating	Ordering code							Auxiliary contact kits	
		NEMA Type 1 indoor	NEMA Type 3R outdoor	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit <sup>7</sup>	SPDT	DPDT
3 pole / 3 wire										
	30	THN3361 <sup>4</sup>	THN3361R <sup>4</sup>	TGL1	TNI62	–	–	–	THAUX61S	THAUX21D
			THN3361RF <sup>3</sup>							
			THN3361RF2 <sup>3</sup>							
	60	THN3362 <sup>4</sup>	THN3362R <sup>4</sup>	TNG3	TNIA62				–	THAUX64D
			THN3362RF <sup>3</sup>						–	
	100	THN3363 <sup>4</sup>	THN3363R <sup>4</sup>	TNG3	TNIA63				–	
	200	THN3364 <sup>2,4</sup>	THN3364R <sup>4</sup>		TNIA64				–	
	400	THN3365 <sup>2</sup>	THN3365R	TGL6	TNI65 or TNI65A				–	THAUX66D
	600	THN3366 <sup>2</sup>	THN3366R		TNI66				–	
	800	TC36367	–	8	–				–	–
1200	TC36368 <sup>6</sup>	–	8	–	–				–	

<sup>1</sup> Rated 600 Vac only. Accepts Class L fuses only. Type HD electrical performance does not apply.

<sup>2</sup> Type 1 enclosure: 200-600 ampere devices available factory reversed for bottom feed, add "B" suffix. Handle will be on the left side.

<sup>3</sup> Farm switch - oversized Type 3R enclosure with vertical hinge and gasket.

<sup>4</sup> Available with viewing window, add "VW" suffix.

<sup>5</sup> For switches suitable for service entrance applications in Canada, order TH3267C, TH3267RC, TH3268C, and TH3268RC.

<sup>6</sup> Suitable for use as service entrance equipment except on 1200 ampere solidly grounded wye systems per NEC 230.95.





<sup>7</sup> When specifications permit only Class R fuses, these kits may be installed in the switch to deter fuses other than Class R from being installed.

<sup>8</sup> Neutral kit is groundable and bondable.

<sup>9</sup> Switches may be adapted to accept Class J fuses without a kit by moving the load-block toward the switch base and remounting.

## Heavy duty safety switches

### NEMA types 4X, 5/12 - 240Vac - fusible

	Amperage rating	Ordering code								
		NEMA Type 4X stainless steel	NEMA Type 5/12	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit <sup>3</sup>	Auxiliary contact kits	
									SPDT	DPDT
2 pole / 2 wire										
	30	TH2221SS <sup>1</sup>	TH2221J <sup>1</sup>	Factory installed	TNIJ61	H, J, and R	–	TRK12B	THAUX61S	THAUX21D
	60	TH2222SS <sup>1</sup>	TH2222J <sup>1</sup>		TNIJ62		–	TRK22A	–	THAUX64D
2 pole / 3 wire										
	30	TH3221SS <sup>1</sup>	TH3221J <sup>1</sup>	Factory installed	Factory installed	H, J, and R	–	TRK12B	THAUX61S	THAUX21D
	60	TH3222SS <sup>1</sup>	TH3222J <sup>1</sup>				–	TRK22A	–	THAUX64D
	100	TH3223SS <sup>1</sup>	TH3223J <sup>1</sup>				Move load-block <sup>2</sup>	TPBRK36A	–	THAUX66D
	200	TH3224SS <sup>1</sup>	TH3224J <sup>1</sup>					TRK46A	–	
	400	TH3225SS	TH3225J	–			TRK56A	–		
	600	TH3226SS	TH3226J	–			THJ6	TRK66A	–	
3 pole / 3 wire										
	30	TH3321SS <sup>1</sup>	TH3321J <sup>1</sup>	Factory installed	TNIJ61	H, J, and R	–	TRK12B	THAUX61S	THAUX21D
	60	TH3322SS <sup>1</sup>	TH3322J <sup>1</sup>		TNIJ62		–	TRK22A	–	THAUX64D
3 pole / 4 wire										
	30	TH4321SS <sup>1</sup>	TH4321J <sup>1</sup>	Factory installed	Factory installed	H, J, and R	–	TRK12B	THAUX61S	THAUX21D
	60	TH4322SS <sup>1</sup>	TH4322J <sup>1</sup>				–	TRK22A	–	THAUX64D
	100	TH4323SS <sup>1</sup>	TH4323J <sup>1</sup>				Move load-block <sup>2</sup>	TPBRK36A	–	THAUX66D
	200	TH4324SS <sup>1</sup>	TH4324J <sup>1</sup>					TRK46A	–	
	400	TH4325SS	TH4325J	–			TRK56A	–		
	600	TH4326SS	TH4326J	–			THJ6	TRK66A	–	

### NEMA types 4X, 5/12 mill duty - 240Vac - fusible

	Amperage rating								Ordering code	
		NEMA Type 4X stainless steel	NEMA Type 5/12	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit <sup>3</sup>	Auxiliary contact kits	
									SPDT	DPDT
2 pole / 3 wire										
	400	TH3325MSS	TH3325M	–	TNIJ66	H, K, and R	Move load- block <sup>2</sup>	TRK56A	–	THAUX66D
	600	TH3326MSS	TH3326M	–			THJ6	TRK66A	–	


<sup>1</sup> Available with viewing window by adding "VW" suffix.

<sup>2</sup> Switches may be adapted to accept Class J fuses without a kit by moving the load-block toward the switch base and remounting.


<sup>3</sup> When specifications permit only Class R fuses, these kits may be installed in the switch to deter fuses other than Class R from being installed.

## Heavy duty safety switches



### NEMA types 4X and 5/12 - 600Vac - fusible

	Amperage rating						Ordering code		Auxiliary contact kits	
		NEMA Type 4X stainless steel	NEMA Type 5/12 Indoor	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit <sup>5</sup>	SPDT	DPDT
3 pole / 3 wire										
	30	TH3361SS <sup>1,2</sup>	TH3361J <sup>1,6</sup>	Factory installed	TNIJ61	H, K, J and R	Move load-block <sup>4</sup>	TRK16SA	THAUX61S	THAUX64D
	60	TH3362SS <sup>1,2</sup>	TH3362J <sup>1,6</sup>		TNIJ62			TRK26A	–	
	100	TH3363SS <sup>1,2</sup>	TH3363J <sup>1,6</sup>		TNIJ63			TPBRK36A	–	
	200	TH3364SS <sup>1,2</sup>	TH3364J <sup>1,6</sup>		TNIJ64			TRK46A	–	
	400	TH3365SS <sup>2</sup>	TH3365J <sup>6</sup>	–	TNIJ66			TRK56A	–	THAUX66D
	600	TH3366SS <sup>2</sup>	TH3366J <sup>6</sup>	–			THJ6	TRK66A	–	

### NEMA types 4X and 5/12 - 600Vac - non-fusible

	Amperage rating						Ordering code		Auxiliary contact kits	
		NEMA Type 4X stainless steel	NEMA Type 5/12 Indoor	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit <sup>5</sup>	SPDT	DPDT
3 pole / 3 wire										
	30	THN3361SS <sup>1,2,3</sup>	THN3361J <sup>1,3</sup>	Factory installed	TNIJ61	–	–	–	THAUX61S	THAUX64D
	60	THN3362SS <sup>1,2,3</sup>	THN3362J <sup>1,3</sup>		TNIJA62				–	
	100	THN3363SS <sup>1,2</sup>	THN3363J <sup>1,3</sup>		TNIJ63				–	
	200	THN3364SS <sup>1,2,3</sup>	THN3364J <sup>1,3</sup>		TNIJ64				–	
	400	THN3365SS <sup>2</sup>	THN3365J	–	TNIJ66				–	THAUX66D
	600	THN3366SS <sup>2</sup>	THN3366J	–				–		

### NEMA types 4X, 5/12 mill duty - can be opened with a gloved hand

	Amperage rating						Ordering code		Auxiliary contact kits	
		NEMA Type 4X stainless steel	NEMA Type 5/12 Indoor	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit <sup>2</sup>	SPDT	DPDT
Fusible / 3 pole / 3 wire / 600Vac										
	400	TH3365MSS	TH3365M	–	TNIJ66	H, J, and R	Move load-block <sup>4</sup>	TRK56A	–	THAUX66D
	600	TH3366MSS	TH3366M	–			THJ6	TRK66A	–	
Non-fusible / 3 pole / 3 wire / 600Vac										
	400	THN3365MSS	THN3365M	–	TNIJ66	–	–	–	–	THAUX66D
	600	THN3366MSS	THN3366M	–					–	

<sup>1</sup> Available with viewing window, add "VW" suffix.

<sup>2</sup> Available in NEMA 4X enclosure grade 316 stainless steel, add "316" suffix.

<sup>3</sup> Available with field installable copper lug kit (line, load, ground)



<sup>4</sup> Switches may be adapted to accept Class J fuses without a kit by moving the load-block toward the switch base and remounting.

<sup>5</sup> When specifications permit only Class R fuses, these kits may be installed in the switch to deter fuses other than Class R from being installed.



<sup>6</sup> For NEMA Type 3R, 5, and 12 combination add an R suffix.

## Heavy duty safety switches



### DC rated NEMA type 1 and 3R - 600Vdc

	Amperage rating					Ordering code				Auxiliary contact kits	
		NEMA Type 1 indoor	NEMA Type 3R outdoor	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit <sup>1</sup>	SPDT	DPDT	
Fusible / 2 pole / 2 wire											
	30	TH2261DC <sup>2</sup>	TH2261RDC <sup>2</sup>	TGL1	TNI62	H, J, and R	Move load-block <sup>3</sup>	TRK16B	THAUX61S	THAUX64D	
	60	TH2262DC <sup>2</sup>	TH2262RDC <sup>2</sup>		TNIA62			TRK26A	-		
	100	TH2263DC <sup>2</sup>	TH2263RDC <sup>2</sup>	TNG3	TNIA63			TRK46A	-		
Non-fusible / 2 pole / 2 wire											
	30	THN2261DC <sup>2</sup>	THN2261RDC <sup>2</sup>	TGL1	TNI62	-	-	-	THAUX61S	THAUX64D	
	60	THN2262DC <sup>2</sup>	THN2262RDC <sup>2</sup>		TNIA62			-	-		
	100	THN2263DC <sup>2</sup>	THN2263RDC <sup>2</sup>	TNG3	TNIA63			-	-		

### DC rated NEMA type 4X and 5/12 - 600Vdc

	Amperage rating					Ordering code				Auxiliary contact kits	
		NEMA Type 4X stainless steel	NEMA Type 5/12 indoor	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit <sup>1</sup>	SPDT	DPDT	
Fusible / 2 pole / 2 wire											
	30	TH2261SSDC <sup>2</sup>	TH2261JDC <sup>2</sup>	Factory installed	TNIJ61	H, K, J and R	Move load-block <sup>3</sup>	TRK16B	THAUX61S	THAUX64D	
	60	TH2262SSDC <sup>2</sup>	TH2262JDC <sup>2</sup>		TNIJ62		Move load-block <sup>3</sup>	TRK26A	–		
	100	TH2263SSDC <sup>2</sup>	TH2263JDC <sup>2</sup>		TNI63	H, K, J and R	Move load-block <sup>3</sup>	TPBRK36A	–		
Non-fusible / 2 pole / 2 wire											
	30	THN2261SSDC <sup>2</sup>	THN2261JDC <sup>2</sup>	Factory installed	TNIJ61				THAUX61S	THAUX64D	
	60	THN2262SSDC <sup>2</sup>	THN2262JDC <sup>2</sup>		TNIJA62	–	–	–	–		
	100	THN2263SSDC <sup>2</sup>	THN2263JDC <sup>2</sup>		TNIJ63				–		

### Interlocked receptacle switches

	Amperage rating										Auxiliary contact kits
		NEMA Type 1 indoor	NEMA Type 4X stainless steel	Receptable	Mating	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit	DPDT
Fusible / 3 pole / 3 wire / 600Vac											
	60	TH3362JCH <sup>4</sup>	TH3362JCHSS <sup>4</sup>	Crouse Hinds	Arktite# APJ6485	Factory installed	TNIJ62	H, K, J and R	Move load-block	TRK26A	THAUX64D
Non-fusible / 3 pole / 3 wire / 600Vac											
	60	THN3362JCH <sup>4</sup>	THN3362JCHSS <sup>4</sup>	Crouse Hinds	Arktite# APJ6485	Factory installed	TNIJA62	—	—	—	THAUX64D

<sup>1</sup> When specifications permit only Class R fuses, these kits may be installed in the switch to deter fuses other than Class R from being installed.

<sup>2</sup> Available with viewing window, add "VW" suffix.

<sup>3</sup> Switches may be adapted to accept Class J fuses without a kit by moving the load-block toward the switch base and remounting.



<sup>4</sup> For horsepower ratings, see switch without "CH" suffix in publication DET845 or specification sheets found on <https://empower.abb.com>

Heavy duty safety switches - Smart switch



Heavy duty smart safety switch

NEMA type 3R - 600Vac, 600Vdc

	Amperage rating						Ordering code		Auxiliary contact kits	
		NEMA Type 3R indoor/outdoor	Ground kit	Neutral kit	Standard fuse class	Class J fuse kit	Class R fuse rejection kit	SPDT	DPDT	
Fusible / 3 pole / 4 wire										
	200	TH4364RVWD1	TNG3	Factory Installed	H, K, and R	Move load–block <sup>1</sup>	–	–	THAUX64D	
Non-fusible / 3 pole / 3 wire										
	200	THN3364RVWD1	TNG3	TNIA64	–	–	–	–	THAUX64D	

<sup>1</sup>Switches may be adapted to accept Class J fuses without a kit by moving the load-block toward the switch base and remounting.



## Double throw safety switches, fusible and non-fusible

### NEMA type 1 and 3R - 240Vac - fusible

	Amperage rating	Ordering code										Suitable for use as service entrance equipment	
		NEMA Type 1 indoor	NEMA Type 3R outdoor	Ground kit	Neutral kit	Standard fuse class	Class R fuse kit	Class T fuse kit	Class J fuse kit	Auxiliary contact kits			Control pole
										1NO/1NC	2NO/2NC		
3 pole / 3 wire													
	30	TDT3321	TDT3321R	DS100GK	DT100NK	H	DS12FK	–	–	DS200EK1	DS200EK2	DS16CP	with DT100NK
	60	TDT3322	TDT3322R				DS16FK	–	–				
	100	TDT3323	TDT3323R				DS36FK	–	–				
	200	TDT3324	TDT3324R	DS200GK	DT200NK		DS46FK	–	Move load block <sup>2</sup>			with DT200NK	
	400	TDT3325	TDT3325R	DS468NK	DS800NK	J	DS56FK	DS526TK <sup>5</sup>	–			with DS800NK	
	600	TDT3326 <sup>3</sup>	TDT3326R <sup>3</sup>				–	DT626TK <sup>5</sup>	–		with DT800NK		
	800	TDT3327 <sup>3</sup>	TDT3327R <sup>3</sup>				L	–	DT726TK <sup>5</sup>	–		with DS800NK	
	1200	TDT3328 <sup>3</sup>	TDT3328R <sup>3</sup>						DT1200NK	–	Move load block <sup>1</sup>	–	

### NEMA type 1 and 3R - 240Vac - non-fusible

	Amperage rating									Ordering code			Suitable for use as service entrance equipment	
		NEMA Type 1 indoor	NEMA Type 3R outdoor	Ground kit	Neutral kit	Standard fuse class	Class R fuse kit	Class T fuse kit	Class J fuse kit	Auxiliary contact kits		Control pole		
										1NO/1NC	2NO/2NC			
3 pole / 3 wire														
	30	TC35321	TC35321R	TGL1	TNK100	–	–	–	–	THAUXDT		–	Yes <sup>6</sup>	
	60	TC35322	TC35322R	TNG3	TNK200	–	–	–	–	THAUXDT	–	–		
	100	TC35323	TC35323R								–			
	200	TC35324	TC35324R	TNK200	–									
	400	TC35325	TC35325R	TGL6	TNK400						–	No		
	600	TC35326	–	–	–									
		–	TC35326R	DS468GK	DT600NK						DS200EK1		DS200EK2	DS16CP
	800	TC35327 <sup>4</sup>	TC35327R <sup>4</sup>		DT800NK									with DT800NK
1200	TC35328	TC35328R		DT1200NK									with DT1200NK	

<sup>1</sup> Switches may be adapted to accept Class T fuses without a kit by moving the load-block toward the switch base and remounting.

<sup>2</sup> Switches may be adapted to accept Class J fuses without a kit by moving the load-block toward the switch base and remounting.

<sup>3</sup> Stacked design requiring only one set of fuses.

<sup>4</sup> Available with factory installed neutral, add "N" suffix. For example: TC35327N. Suitable for use as service entrance equipment with factory installed neutral.

<sup>5</sup> Kits come with 1 pole; must order 3 kits for one 3 pole switch.

<sup>6</sup> Not suitable for service entrance in Canada

## Double throw safety switches, fusible and non-fusible

### NEMA type 1 and 3R - 600Vac - fusible

	Amperage rating	Ordering code										Suitable for use as service entrance equipment	
		NEMA Type 1 indoor	NEMA Type 3R outdoor	Ground kit	Neutral kit	Standard fuse class	Class R fuse kit	Class T fuse kit	Class J fuse kit	Auxiliary contact kits			Control pole
										1NO/1NC	2NO/2NC		
3 pole / 3 wire													
	30	TDT3361	TDT3361R	DS100GK	DT100NK	H	DS16FK	–	–	DS200EK1	DS200EK2	DS16CP	with DT100NK
	60	TDT3362	TDT3362R				DS26FK	–	–				
	100	TDT3363	TDT3363R				DS36FK	–	–				
	200	TDT3364	TDT3364R	DS200GK	DT200NK		DS46FK	–	Move load block <sup>2</sup>			with DT200NK	
	400	TDT3365	TDT3365R	DS468GK	DS800NK	T	–	–	DT400JK			with DS800NK	
	600	TDT3366 <sup>3</sup>	TDT3366R <sup>3</sup>			J	–	DT666TK <sup>9</sup>	–				
	800	TDT3367 <sup>3</sup>	TDT3367R <sup>3</sup>			L	–	DS766TK <sup>9</sup>	–		with DT800NK		
	1200	TDT3368 <sup>3,4</sup>	TDT3368R <sup>3,4</sup>				DT1200NK	–	Move load block <sup>1</sup>	–	–	with DT1200NK	

### NEMA type 1 and 3R - 600Vac - non-fusible

	Amperage rating											Ordering code			Suitable for use as service entrance equipment
		NEMA Type 1 indoor	NEMA Type 3R outdoor	Ground kit	Neutral kit	Standard fuse class	Class R fuse kit	Class T fuse kit	Class J fuse kit	Auxiliary contact kits		Control pole			
										1NO/1NC	2NO/2NC				
3 pole / 3 wire															
	30	TC35361	TC35361R	DS100GK	DT100NK	–	–	–	–	DS200EK1	DS200EK2	DS16CP	with DT100NK		
	60	TC35362	TC35362R	TGL1	TNK100						THAUXDT	–	Yes <sup>10</sup>		
	100	TC35363	TC35363R	TNG3	TNK100						THAUXDT	–	Yes <sup>10</sup>		
	200	TC35364	TC35364R	TNG3	TNK200						THAUXDT	–	Yes <sup>10</sup>		
	400	TC35365 <sup>5,6</sup>	–	TGL6	TNK400						THAUXDT	–	Yes		
		–	TC35365R	DS468GK	DT400NK					DS200EK1	DS200EK2	DS16CP	with DT400NK		
	600	TC35366 <sup>5,6,7</sup>	–	TGL6	–					–	–	–	No		
		–	TC35366R	DS468GK	DT600NK					DS200EK1	DS200EK2	DS16CP	with DT600NK		
		–	–										with DS468GK		
	800	TC35367 <sup>8</sup>	TC35367R <sup>8</sup>		DT800NK								with DT800BK		
		–	–		–								with DS468GK		
	1200	TC35368 <sup>4</sup>	TC35368R <sup>4</sup>	–	DT1200NK <sup>11</sup>								with DT1200NK		

<sup>1</sup> Switches may be adapted to accept Class T fuses without a kit by moving the load-block toward the switch base and remounting.

<sup>2</sup> Switches may be adapted to accept Class J fuses without a kit by moving the load-block toward the switch base and remounting.

<sup>3</sup> Stacked design requiring only one set of fuses.

<sup>4</sup> Suitable for use as service entrance equipment except on 1200A solidly grounded wye systems per NEC 230.95.

<sup>5</sup> Not UL, cUL, or CSA Listed.

<sup>6</sup> Not suitable for use as service entrance equipment per NEC 702.

<sup>7</sup> No provision for auxiliary contact kit

<sup>8</sup> Available with factory installed neutral, add "N" suffix. For example: TC35367N. Suitable for use as service entrance equipment with factory installed neutral.

<sup>9</sup> Kits come with 1 pole; must order 3 kits for one 3 pole switch.

<sup>10</sup> Not in Canada

<sup>11</sup> 120/208V ac; 4 wire S/N up to 600V ac; 3 wire with <150V ac to ground 277/480V ac; for continuous industrial process or where the neutral is not solidly grounded or source is intended for a fire pump.

## Double throw safety switches, fusible and non-fusible

### NEMA type 4X - 600Vac - fusible

	Amperage rating								Ordering code			Suitable for use as service entrance equipment
		NEMA Type 4X	Ground kit	Neutral kit	Standard fuse class	Class R fuse kit	Class T fuse kit	Class J fuse kit	Auxiliary contact kits		Control pole	
									1NO/1NC	2NO/2NC		
3 pole / 3 wire												
	30	TDT3361SS	DS100GK	DT100NK	H, K, and R	DS12FK	–	–	DS200EK1	DS200EK2	DS16CP	with DT100NK
	60	TDT3362SS				DS16FK	–	–				
	100	TDT3363SS				DS36FK	–	–				
	200	TDT3364SS	DS200GK	DT200NK	DS46FK	–	Move load block <sup>1</sup>	with DT200NK				
	400	TDT3365SS	DS468GK	DS800NK	T	–	–					DT400JK

### NEMA type 4X - 600Vac - non-fusible

	Amperage rating	Ordering code										Suitable for use as service entrance equipment
		NEMA Type 4X	Ground kit	Neutral kit	Standard fuse class	Class R fuse kit	Class T fuse kit	Class J fuse kit	Auxiliary contact kits		Control pole	
									1NO/1NC	2NO/2NC		
3 pole / 3 wire												
	30	TC35361SS	DS100GK	DT100NK	-	-	-	-	DS200EK1	DS200EK2	DS16CP	with DT100NK
	60	TC35362SS										
	100	TC35363SS										
	200	TC35364SS	DS200GK	DT200NK								with DT200NK
	400	TC35365SS	DS468GK	DT400NK								with DT400BK
	600	TC35366SS	DS468GK	DT600NK								with DT600NK
	800	TC35367SS	DS468GK	DT800NK								with DT800NK

<sup>1</sup> Switches may be adapted to accept Class J fuses without a kit by moving the load-block toward the switch base and remounting.



Emergency power transfer switches, type TC

Table of contents

Emergency power transfer switches, type TC	
Product overview	4-23
Ordering codes	4-23

Emergency power transfer switches, type TC

Product overview



TC10323R, Type TC outdoor emergency power transfer switch

Type TC emergency power transfer switches are specifically designed to permit the connection of power from a standby generator or other emergency source of electricity and are ideally suited for outdoor applications in rural dwellings and farm buildings.

They are non-fusible and are in NEMA Type 3R (outdoor) enclosures. The side operated handle can be locked in either the ON or OFF position.

Type TC emergency power transfer switches are UL Listed (UL98 Enclosed Switches) and are suitable for use as service entrance equipment when installed in accordance with the National Electrical Code.



Features

- Wide range of interchangeable rain-tight conduit hubs available
- Code-gauge steel box is fitted with a drip-shield for protection against rain; resists corrosion, rust and chipping.
- Plated copper current-carrying parts prevent oxidation to assure low-resistance contact and cool operation.
- Mounting holes permit quick, easy installation.
- Bonding strap can be used to ground neutral for service entrance applications.
- Ample wiring space provided within compact enclosure.
- Positive make and break is provided by fiber loop straps between knife blade contacts and one-piece operating yoke.



TC10323R, Type TC outdoor emergency power transfer switch

NEMA type 3R - 120/240Vac

	Amperage rating	NEMA Type 3R outdoor	Ground kit	Neutral kit
Non-fusible / 2 pole / 3 wire / 120/240Vac				
	100	TC10323R	Factory installed	Factory installed
	200	TC10324R		
Non-fusible / 3 pole / 4 wire / 240Vac				
	200	TC10424R	Factory installed	Factory installed





Accessories

Table of contents

<b>Accessories</b>	
NEMA type 1 and 3R enclosures	4-25
NEMA type 4 /4X, 12 and mill duty enclosures	4-27
Fusing kits, Type TG and TH	4-28
Hubs and caps	4-29
Replacement handles	4-29
Line shield kits	4-29

## Accessories: NEMA type 1 and 3R enclosures

30-600 amperes: TG and TH, 800-1200 amperes: TC (single throw fuse only)



TGL1 equipment ground kit

### Equipment ground kits

Ampere rating	Wire range AWG/kcmil copper	Wire range AWG/kcmil aluminum	Ordering code
30A	(4) 14-8, (3) 14-4	(4) 12-8, (3) 6-4	TGL1
60A			
100A			
200A	(3) 10-1/0	(3) 10-1/0	TNG3
400A			
600A			
	(3) 2-250	(3) 2-250	TGL6



TNG3 equipment ground kit



TGL6 equipment ground kit

### Neutral kit insulated, groundable and bondable - single throw switches

Ampere rating	System voltage	Fusible/ non-fusible	Wire range AWG/kcmil copper	Wire range AWG/kcmil aluminum	Ordering code
30A	240Vac	Either	14-8	12-8	TNI21
30A	600Vac	Either	14-2	12-2	TNI62 <sup>1</sup>
60A	600Vac	Non-fusible	14-2	12-2	TNI62 <sup>1</sup>
60A	600Vac	Fusible	14-2	12-2	TNIA62
100A	600Vac	Non-fusible	10-1/0	10-1/0	TNI63
100A	600Vac	Fusible	10-1/0	10-1/0	TNIA63
200A	600Vac	Either	2-250	2-250	TNIA64
400A	240Vac or 600Vac	Either	(1) 2-600 or (2) 1/0-250	(1) 2-600 or (2) 1/0-250	TNI65
400A		Either	(1) 350-800	(1) 350-800	TNI65A
600A		Either	(2) 4-500	(2) 4-500	TNI66
800A		Fusible	(3) 2-600 or (6) 1/0-250	(3) 2-600 or (6) 1/0-250	TNI67 <sup>2</sup>
1200A		Fusible	(4) 3/0-800	(4) 3/0-800	TNI68A <sup>2</sup>

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.

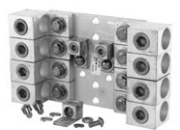
<sup>2</sup> Not suitable for type TC Single Throw Non-Fusible



TNIA63 neutral kit insulated, groundable and bondable



TNIA64 neutral kit insulated, groundable and bondable



TNIA68A neutral kit insulated, groundable and bondable

Accessories: NEMA type 1 and 3R enclosures

30-600 amperes: TH



THAUX21D



THAUX61S



THAUX64D



THAUX66D

Auxiliary contact kits - field installed<sup>1</sup>

Ampere rating	No. of poles	Contacts	Contact ratings	Ordering code
30A (240V only)	2 3	DPDT	10A, 125/250Vac 0.30A, 125Vdc 0.15A, 250Vdc	THAUX21D
30A	2 3	SPDT	15A, 600Vac 0.50A, 125Vdc 0.25A, 250Vdc	THAUX61S
30A (600V only) 60A 100A 200A	2 3	DPDT	15A, 600Vac 0.50A, 125Vdc 0.25A, 250Vdc	THAUX64D
400A 600A	2 3	DPDT	15A, 600Vac 0.50A, 125Vdc 0.25A, 250Vdc	THAUX66D
30A 60A 100A	6	DPDT	15A, 600Vac 0.50A, 125Vdc 0.25A, 250Vdc	THAUX66D
200A	6	DPDT	15A, 600Vac 0.50A, 125Vdc 0.25A, 250Vdc	THAUX66D2

<sup>1</sup>Auxiliary contacts designed to open before switch blades. UL Listed for field installation.

Contact pilot duty ratings - 600 volt kits

Inrush current				AC	DC (Resistive)	
Volts	N.C.	N.O.	Break Normal Current	Volts	Break Normal Current	
115	30	15	15	125	0.5	
230	30	15	25	0.25	–	
460	30	15	15	–	–	
575	15	15	2	–	–	

Semidust-tight door gasket kits - field installed

Description	Ampere rating	Ordering code
Types TH Indoor, TG and TH Outdoor Switches	30A 60A 100A	THG106

## Accessories: NEMA type 4/4X, 12 and mill duty enclosures

30-600 amperes: TH

### Lug wire sizes

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

Factory installed			Field installed crimp lugs	
Switch ampere rating	Copper	Aluminum	Copper	Aluminum
30A	14-6	14-6	14-8	—
60A	14-6	14-6	14-8	—
100A	14-4	14-4	8	6
200A	14-4	14-4	6	4
400A	14-1/0	14-1/0	3-2	1
600A	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. Ordering code listed is for field installed kit.

For Auxiliary Contact Kits, see page 4-19.

### Optional copper lug neutrals

Ampere rating	Fusible	Lug wire size, AWG/kcmil, Cu Only	Ordering code
30A-60A	No	14-2	TN1JA62CL

### Optional copper line, load and ground lug kits

Ampere rating	Line/load lug wire size (Qty 6 provided) AWG/kcmil, CU only	Ground lug wire size (Qty 2 provided) AWG/kcmil, CU only	Ordering code
30A	4-14	6-14	THCL30
60A	4-14	6-14	THCL60
100A	1/0-6	6-14	THCL100
200A	250-6	4-14	THCL200

### Neutral kit insulated, groundable and bondable

Ampere rating	System voltage	Fusible/non-fusible	Ordering code
30A	240Vac	Fusible	TN1J61
30A	600Vac <sup>1</sup>	Either	TN1J61
60A	240Vac	Fusible	TN1J62
60A	600Vac	Fusible	TN1J62
60A	600Vac	Fusible	TN1J62
60A	600Vac	Non-fusible	TN1JA62
100A	240Vac or 600Vac	Either	TN1J63
200A		Either	TN1J64
400-600A		Either	TN1J66

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

## Accessories

### Type TG, TH



TGRK22 Class R rejection kit



TRK46A Class R rejection kit

When specifications permit only Class R fuses to be used, these kits may be installed in the safety switch to deter fuses other than Class R from being installed.

- 30–60A = Fuse Clips
- 100–200A = Rejection Pins
- One kit required per two pole or three pole switch

#### Class R fusing kit field installable, general duty, type TG, UL Listed

Series prefix	Ampere rating	Enclosure type	Ordering code
TG	30A	NEMA Type 1, 3R	TGRK12
	60A	NEMA Type 1, 3R	TGRK22
	100A	NEMA Type 1, 3R	TGRK42
	200A	NEMA Type 1, 3R	TGRK42

When specifications permit only Class R fuses to be used, these kits may be installed in the safety switch to deter fuses other than Class R from being installed.

- 30–60A = Fuse Clips
- 100–200A = Rejection Pins
- One kit required per two pole or three pole switch

#### Class R fusing kit field installable, heavy duty, type TH, UL Listed

Series prefix	Ampere rating	System voltage	Enclosure type	Ordering code
TH	30A	240Vac	NEMA Type 1, 3R, 4/4X, 12	TRK12B
	30A	600Vac	NEMA Type 1, 3R	TRK16B
	30A	600Vac	NEMA Type 4/4X, 12	TRK16SA
	60A	240Vac	NEMA Type 1, 3R, 4/4X, 12	TRK22A
	60A	600Vac	NEMA Type 1, 3R, 4/4X, 12	TRK26A
	100A	240Vac 600Vac	NEMA Type 1, 3R	TRK46A
	100A	240Vac 600Vac	NEMA Type 4/4X, 12	TPBRK36A
	200A	240Vac 600Vac	NEMA Type 1, 3R, 4/4X, 12	TRK46A
	400A	240Vac 600Vac	NEMA Type 1, 3R, 4/4X, 12	TRK56A
	600A	240Vac 600Vac	NEMA Type 1, 3R, 4/4X, 12	TRK66A

TH switches, 30-400 amperes, 600 volt and 100-400 amperes, 240 volt, may be adapted to accept Class J fuses without a kit by moving the load-block toward the switch base and remounting.

- One kit required per two pole or three pole switch

#### Class J fuse field conversion kit, heavy duty, type TH, UL Listed

Series prefix	Ampere rating	System voltage	Ordering code
TH	30-400A	600Vac	Move load-block
	100-400A	240Vac	Move load-block
	600A	240Vac 600Vac	THJ6



## Accessories



TC200 universal  
raintight hub

### Universal raintight aluminum hubs

For outdoor enclosures that have removable closing caps.

Nominal conduit diameter (in.)	Ordering code
3/4	TC75
1	TC100
1 1/4	TC125
1 1/2	TC150
2	TC200
2 1/2	TC250



TCCP

### Closing cap for universal raintight aluminum hub

Ordering code
TCCP

### Replacement red handle grip for HD switch

Ordering code
THGRIP



THRPLHD6  
replacement handle

### Replacement handles for HD switches

Amps min.	Amps max.	Max. volts	Steel type	Description	Ordering code
30A	30A	240V	Steel	Handle and Pouch	THRPLHDL1
30A	30A	600V	Steel	Handle and Pouch	THRPLHDL2
60A	200A	600V	Steel	Handle and Pouch	THRPLHDL3
30A	200A	600V	Stainless	Handle and Pouch	THRPLHDL4
400A	600A	600V	Steel	Handle and Pouch	THRPLHDL6
400A	600A	600V	Stainless	Handle and Pouch	THRPLHDL7



THSHLD1

### Line shield kits for service entrance

Amperage	HD 600V		HD 240V		GD 240V	
	Ordering code		Ordering code		Ordering code	
	NEC 2017 and earlier	NEC 2020 230.62	NEC 2017 and earlier	NEC 2020 230.62	NEC 2017 and earlier	NEC 2020 230.62
30	as built - replacement THSHLD1		as built - replacement THSHLD0		as built	requires THSHLD0
60	as built - replacement THSHLD3		as built	requires THSHLD1	as built	requires THSHLD1
100	as built <sup>2</sup> - replacement THSHLD3 <sup>1</sup>		as built	requires THSHLD3 <sup>1</sup>	as built	requires THSHLD3
200	as built <sup>3</sup>	replacement THSHLD4 <sup>3</sup>	as built	requires THSHLD4 <sup>3</sup>	as built	requires THSHLD4 <sup>3</sup>
400	as built	required THSHLD6	as built	requires THSHLD6	as built	not compliant
600	as built	required THSHLD6	as built	requires THSHLD6	as built	not compliant

<sup>1</sup> Use THSHLD4 for 100A N5/12 or N4X

<sup>2</sup> NEC2020 230.62 compliant mfg post 11/22/21 for 100A N5/12 and N4X

<sup>3</sup> NEC 2020 230.62 compliant mfg post 12/6/21



# Notes

Lined area for notes, consisting of multiple horizontal lines.