

# Disconnect Switches and Operating Mechanisms

# Section 9

## General-Duty HCI

Individual Components

30-200 Amperes

240, 480, 600 Vac, 250 Vdc

### Fuse Clip and No Fuse Kits — Horsepower Ratings

#### For Basic Switches with 600 Volt Industrial Control and 250 Volt Enclosed Switch and Switchboard Clearance Spacings

Basic Switch Rating	HP Rating, AC, 3-Phase, NEC Standard @ 240Vac	HP Rating, AC, 3-Phase, NEC Standard @ 480Vac	HP Rating, AC, 3-Phase, NEC Standard @ 600Vac	HP Rating, AC, 3-Phase, Time-Delay Fuse @ 240Vac	HP Rating, AC, 3-Phase, Time-Delay Fuse @ 480Vac	HP Rating, AC, 3-Phase, Time-Delay Fuse @ 600Vac	HP Rating, 250Vdc	Product Number
30 Ampere 3-Pole	-	-	-	7.5	15	20	5	THC3100 <sup>1,3</sup>
30 Ampere 3-Pole	3	-	-	7.5	-	-	5	THC3121
30 Ampere 3-Pole	-	5	7.5	-	15	20	-	THC3161
30 Ampere 3-Pole	-	5	7.5	-	15	20	-	THC31J1
30 Ampere 3-Pole	7.5	-	-	-	-	-	-	THC3122
30 Ampere 3-Pole	-	15	15	-	-	-	-	THC3162
30 Ampere 3-Pole	-	15	15	-	-	-	-	THC31J2
60 Ampere 3-Pole	-	-	-	15	30	50	10	THC3200 <sup>2</sup>
60 Ampere 3-Pole	3	-	-	-	-	-	10	THC3221 <sup>2</sup>
60 Ampere 3-Pole	-	5	7.5	-	-	-	-	THC3261 <sup>2</sup>
60 Ampere 3-Pole	7.5	-	-	15	-	-	-	THC3222 <sup>2</sup>
60 Ampere 3-Pole	-	15	15	-	30	50	-	THC3262 <sup>2</sup>
60 Ampere 3-Pole	-	15	15	-	30	50	-	THC32J2 <sup>2</sup>
60 Ampere 3-Pole	15	-	-	-	-	-	-	THC3223 <sup>2</sup>
60 Ampere 3-Pole	-	25	30	-	-	-	-	THC3263 <sup>2</sup>
60 Ampere 3-Pole	-	25	30	-	-	-	-	THC32J3 <sup>2</sup>
100 Ampere 3-Pole	-	-	-	30	60	75	20	THC3300
100 Ampere 3-Pole	7.5	-	-	-	-	-	20	THC3322
100 Ampere 3-Pole	-	15	15	-	-	-	-	THC3362
100 Ampere 3-Pole	15	-	-	30	-	-	-	THC3323
100 Ampere 3-Pole	-	25	30	-	60	75	-	THC3363
100 Ampere 3-Pole	-	25	30	-	60	75	-	THC33J3
100 Ampere 3-Pole	25	-	-	-	-	-	-	THC3324
100 Ampere 3-Pole	-	50	60	-	-	-	-	THC3364
100 Ampere 3-Pole	-	50	60	-	-	-	-	THC33J4
200 Ampere 3-Pole	-	-	-	60	100	100	40	THC3400
200 Ampere 3-Pole	15	-	-	-	-	-	40	THC3423
200 Ampere 3-Pole	-	25	30	-	-	-	-	THC3463
200 Ampere 3-Pole	-	25	30	-	-	-	-	THC34J3
200 Ampere 3-Pole	25	-	-	60	-	-	-	THC3424
200 Ampere 3-Pole	-	50	60	-	100	100	-	THC3464
200 Ampere 3-Pole	-	50	60	-	100	100	-	THC34J4
200 Ampere 3-Pole	50	-	-	-	-	-	-	THC3425
200 Ampere 3-Pole	-	100	100	-	-	-	-	THC3465
200 Ampere 3-Pole	-	100	100	-	-	-	-	THC34J5

### Fuse and No-Fuse Kits — Horsepower Ratings

#### For Basic Switches with 600 Volt Enclosed Switch and Switchboard Clearance Spacings

Basic Switch Rating	HP Rating, AC, 3-Phase, NEC Standard @ 240Vac	HP Rating, AC, 3-Phase, NEC Standard @ 480Vac	HP Rating, AC, 3-Phase, NEC Standard @ 600Vac	HP Rating, AC, 3-Phase, Time-Delay Fuse @ 240Vac	HP Rating, AC, 3-Phase, Time-Delay Fuse @ 480Vac	HP Rating, AC, 3-Phase, Time-Delay Fuse @ 600Vac	HP Rating, 250Vdc	Product Number
30 Ampere 3-Pole	3	5	7.5	-	15	20	5	THC31S61 <sup>1,3</sup>
30 Ampere 3-Pole	3	5	7.5	-	15	20	5	THC31SJ1 <sup>1,3</sup>
30 Ampere 3-Pole	-	-	-	7.5	15	20	5	THC3100 <sup>1,3</sup>
60 Ampere 3-Pole	7.5	15	15	-	30	50	10	THC32S62
60 Ampere 3-Pole	7.5	15	15	-	30	50	10	THC32SJ2
60 Ampere 3-Pole	-	-	-	15	30	50	10	THC3200 <sup>2</sup>
100 Ampere 3-Pole	-	25	30	-	60	75	-	THC3363
100 Ampere 3-Pole	-	25	30	-	60	75	-	THC33J3
100 Ampere 3-Pole	-	-	-	30	60	75	20	THC3300
200 Ampere 3-Pole	-	50	60	-	100	100	-	THC3464
200 Ampere 3-Pole	-	50	60	-	100	100	-	THC34J4
200 Ampere 3-Pole	-	-	-	60	100	100	40	THC3400

Auxiliary switch (SPDT) for HCI rated .5 ampere at 125Vdc, .25 ampere at 250Vdc, 15 ampere at 480Vac. Product Number 343L296G2.

HCI switches, fuse and no-fuse kits, are listed in UL "Recognized Component Index" (WHTY2) for mounting in a vertical position, line side up. UL File E-36152.

Line shield included with THC31 and THC31S. All other line shields included with fuse-clip or no-fuse kits.

For **Two-pole applications**—Use two poles of three-pole switch.

HCI switches, fuse and no-fuse kits, are listed in UL "Recognized Component Index" (WHTY2) for mounting in a vertical position, line side up. UL File E-36152.

Inside enclosure depth may be reduced to these depths while maintaining electrical spacings—requires cutting handle shaft.

<sup>1</sup>Suitable for 25 hp @ 600 V but not UL listed.

<sup>2</sup>Basic switch with UL 600 Volt industrial control spacings only.

<sup>3</sup>For 30 ampere switch with 600 Volt enclosed switch spacing and 60 ampere terminals, order Product Number THC31SSE.



# Disconnect Switches and Operating Mechanisms

## General-Duty HCI (continued)

## Section 9

### Individual Components

30-200 Amperes

240, 480, 600 Vac, 250 Vdc

### Fuse Clip and No Fuse Kits

For Basic Switches with 600 Volt Industrial Control and 250 Volt Enclosed Switch and Switchboard Clearance Spacings.

Basic Switch Rating	Basic Switch Product Number	Fuse Type	Fuse Kit Rating	Product Number
30 Ampere 3-Pole	THC31S	No Fuse	No Fuse—600	THC3100 <sup>1,3</sup>
30 Ampere 3-Pole	THC31	NEC Standard	30A, 240Vac/250Vdc	THC3121
30 Ampere 3-Pole	THC31	NEC Standard	30A, 600Vac	THC3161
30 Ampere 3-Pole	THC31	Class J	30A, 600Vac	THC31J1
30 Ampere 3-Pole	THC31	NEC Standard	60A, 240Vac/250Vdc	THC3122
30 Ampere 3-Pole	THC31	NEC Standard	60A, 600Vac	THC3162
30 Ampere 3-Pole	THC31	Class J	60A, 600Vac	THC31J2
60 Ampere 3-Pole	THC32S	No Fuse	No Fuse—600	THC3200 <sup>2</sup>
60 Ampere 3-Pole	THC32	NEC Standard	30A, 240Vac/250Vdc	THC3221 <sup>2</sup>
60 Ampere 3-Pole	THC32	NEC Standard	30A, 600Vac	THC3261 <sup>2</sup>
60 Ampere 3-Pole	THC32	NEC Standard	60A, 240Vac/250Vdc	THC3222 <sup>2</sup>
60 Ampere 3-Pole	THC32	NEC Standard	60A, 600Vac	THC3262 <sup>2</sup>
60 Ampere 3-Pole	THC32	Class J	60A, 600Vac	THC32J2 <sup>2</sup>
60 Ampere 3-Pole	THC32	NEC Standard	100A, 240Vac/250Vdc	THC3223 <sup>2</sup>
60 Ampere 3-Pole	THC32	NEC Standard	100A, 600Vac	THC3263 <sup>2</sup>
60 Ampere 3-Pole	THC32	Class J	100A, 600Vac	THC32J3 <sup>2</sup>
100 Ampere 3-Pole	THC33S	No Fuse	No Fuse—600	THC3300
100 Ampere 3-Pole	THC33	NEC Standard	60A, 240Vac/250Vdc	THC3322
100 Ampere 3-Pole	THC33	NEC Standard	60A, 600Vac	THC3362
100 Ampere 3-Pole	THC33	NEC Standard	100A, 240Vac/250Vdc	THC3323
100 Ampere 3-Pole	THC33S	NEC Standard	100A, 600Vac	THC3363
100 Ampere 3-Pole	THC33S	Class J	100A, 600Vac	THC33J3
100 Ampere 3-Pole	THC33	NEC Standard	200A, 240Vac/250Vdc	THC3324
100 Ampere 3-Pole	THC33	NEC Standard	200A, 600Vac	THC3364
100 Ampere 3-Pole	THC33	Class J	200A, 600Vac	THC33J4
200 Ampere 3-Pole	THC34S	No Fuse	No Fuse—600	THC3400
200 Ampere 3-Pole	THC34	NEC Standard	100A, 240Vac/250Vdc	THC3423
200 Ampere 3-Pole	THC34	NEC Standard	100A, 600Vac	THC3463
200 Ampere 3-Pole	THC34	Class J	100A, 600Vac	THC34J3
200 Ampere 3-Pole	THC34	NEC Standard	200A, 240Vac/250Vdc	THC3424
200 Ampere 3-Pole	THC34	NEC Standard	200A, 600Vac	THC3464
200 Ampere 3-Pole	THC34	Class J	200A, 600Vac	THC34J4
200 Ampere 3-Pole	THC34	NEC Standard	400A, 240Vac/250Vdc	THC3425
200 Ampere 3-Pole	THC34	NEC Standard	400A, 600Vac	THC3465
200 Ampere 3-Pole	THC34	Class J	400A, 600Vac	THC34J5

### Fuse Clip and No Fuse Kits

For Basic Switches with 600 Volt Enclosed Switch and Switchboard Clearance Spacings.

Basic Switch Rating	Basic Switch Product Number	Fuse Type	Fuse Kit Rating	Product Number
30 Ampere 3-Pole	THC31S	NEC Standard	30A, 600Vac	THC31S61 <sup>1,3</sup>
30 Ampere 3-Pole	THC31S	Class J	30A, 600Vac	THC31SJ1 <sup>1,3</sup>
30 Ampere 3-Pole	THC31S	No Fuse	No Fuse—600	THC3100 <sup>1,3</sup>
60 Ampere 3-Pole	THC32S	NEC Standard	60A, 600Vac	THC32S62
60 Ampere 3-Pole	THC32S	Class J	60A, 600Vac	THC32SJ2
60 Ampere 3-Pole	THC32S	No Fuse	No Fuse—600	THC3200 <sup>2</sup>
100 Ampere 3-Pole	THC33S	NEC Standard	100A, 600Vac	THC3363
100 Ampere 3-Pole	THC33S	Class J	100A, 600Vac	THC33J3
100 Ampere 3-Pole	THC33S	No Fuse	No Fuse—600	THC3300
200 Ampere 3-Pole	THC34	NEC Standard	200A, 600Vac	THC3464
200 Ampere 3-Pole	THC34	Class J	200A, 600Vac	THC34J4
200 Ampere 3-Pole	THC34S	No Fuse	No Fuse—600	THC3400

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