

Heavy-Duty Safety Switch



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### Heavy-Duty

#### Application Description

For light to heavy commercial and industrial applications. Main service entrance, branch and motor circuit protection, disconnecting or transferring to alternate power source. Where reliable performance and service continuity are critical.

#### Product Description

- 30–1200A
- 600 Vac, 600 Vdc maximum
- Horsepower rated
- Fusible and non-fusible switches are 100% load break and 100% load make rated
- The continuous load current of fusible switches is not to exceed 80% of the rating of fuses employed in other than motor circuits. Non-fusible switches are 100%

- continuous load rated
- Fusible switches suitable for service entrance applications unless otherwise noted
- Enclosures, Type 1, 3R, 12/3R, 4 are painted steel ANSI 61 light grey electrocoat. and 4X are grade 304 stainless steel, grade 316 available upon request.
- For factory modifications, refer to **Pages 12 through 14**

#### **240 Vac Heavy-Duty, Fusible, Single-Throw**

- 30–1200A
- Horsepower rated
- Fusible switches suitable for service entrance use, except four-pole switches
- For accessories refer to **Pages 5 and 6**

#### **600 Vac Heavy-Duty, Fusible, Single-Throw**

- 30–1200A
- Horsepower rated
- Suitable for service entrance use, except four pole switches.  
**Note:** Must use suitable ground fault protection @ 1200 Ampere for service entrance.

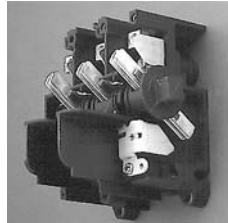
#### **600 Vac Heavy-Duty, Non-Fusible, Single-Throw**

- 30–1200A
- Horsepower rated
- Not suitable for service entrance per CEC

### Features, Benefits and Functions

- Visible double-break quick-make, quick-break rotary blade mechanism. Two points of contact provide a positive open and close, easier operation, and also help prevent contact burning for longer contact life

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**Visible Double-Break Rotary Blade Mechanism**

- Triple padlocking capability. Personnel safety feature since the large hasp can accommodate up to three 3/8-inch (9.5 mm) shank locks. Cabinet door can be further padlocked at the top and bottom

- Interlocking mechanism. Door cannot be opened when the handle is in the ON position. Built-in defeater mechanism provides for user access when necessary

- Deionizing arc chutes; arc chutes confine and suppress the arcs produced by opening contacts under load

- Mechanically interlocked cover to prevent easy access when the switch is in the ON position

- Clear line shield with probe holes

- Clearly visible palm fitting red handle

- Tangential knockouts on Type 1 and Type 3R enclosures through 200A

- Built-in fuse pullers on Type 4X and Type 12 enclosures through 200A

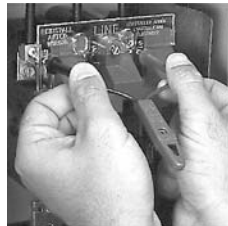
- Additional door locking capability

- Complete accessory and renewal parts data shown on inner door label.

- 30–1200A Type 12 designs convertible to Type 3R by opening factory-installed drain hole

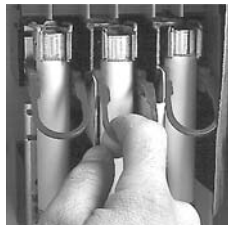
- 30–1200A switches are seismic qualified and exceed the requirements of the Uniform Building CodeT (UBC) and California Code Title 24

- Protects against accidental contact with energized parts. Probe holes enable the user to test if the line side is energized without removing the shield.



**Clear Line Shield**

- Provide easy removal of fuses



**Built-In Fuse Pullers (Type 12 and 4X 30–200A)**

- The position (ON or OFF) can be clearly seen from a distance and the length provides for easy operation



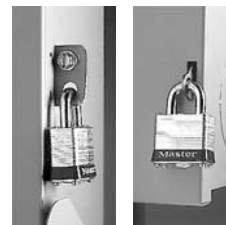
**Clearly Visible Handle**

- Personnel safety feature since the large hasp can accommodate up to three 3/8-inch (9.5 mm) shank locks



**Triple Padlocking Capability**

- Cabinet door can be further padlocked at the top and bottom as applicable



**Additional Locking Capability**

- Door cannot be opened when the handle is in the ON position. Front and side operable defeater mechanism provides for user access when necessary on single-throw switches



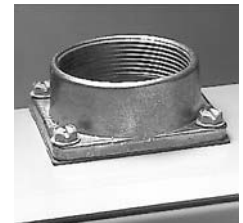
**Interlocking Mechanism**

- An ample number are provided on the top, bottom and sides of both NEMA Types 1 and 3R enclosures through 200A



**Tangential Knockouts**

- For switches in a Type 3R, 30–200A. Use a Myers type hub for all others



**Bolt-On Hub Kits**

- Type 12 and 4X 30–100A have padlockable suitcase latches vs screw type latches.



**Padlockable Suitcase Latches**

### Standards and Certifications

- CSA Certified File No. 69743
- Meets C22.2 No. 4 for enclosed switches
- Refer to page 2 for additional certifications
- ISO 9001:2008





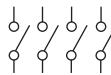
# Switching Devices

## Safety Switches

1HD362NF



### 600 Vac Heavy-Duty, Non-Fusible, Single-Throw, 277/480–600V—Type 1, 3R

System	Ampere Rating	Maximum Horsepower Ratings									Type 1 Enclosure Indoor Catalogue Number	Type 3R <sup>①</sup> Enclosure Rainproof Catalogue Number
		Single-Phase AC			Three-Phase AC			DC				
		240V	480V	600V	240V	480V	600V	250V	600V	250V		
<b>Two-Pole—480 Vac—600 Vac or Vdc <sup>②</sup></b>												
	30	3	7-1/2	10	—	—	—	—	15		1HD261NF	3HD261NF
	60	10	20	25	—	—	—	—	25		1HD262NF	3HD262NF
	100	20	30	40	—	—	—	20	25		1HD263NF	3HD263NF
	200	15	50	50	—	—	—	—	50		1HD264NF	3HD264NF
	400	—	—	—	—	—	—	50	—		1HD265NF	3HD265NF
	600	—	—	—	—	—	—	—	—		1HD266NF	3HD266NF
	800	—	—	—	—	—	—	—	—		1HD267NF <sup>②</sup>	3HD267NF <sup>②</sup>
	1200	—	—	—	—	—	—	—	—		<sup>③</sup>	<sup>③</sup>
<b>Three-Pole—480 Vac—600 Vac, 250 Vdc</b>												
	30	3	7-1/2	10	10	20	30	5	—		1HD361NF	3HD361NF
	60	10	20	25	20	50	60	10	—		1HD362NF	3HD362NF
	100	20	40	50	40	75	100	20	—		1HD363NF	3HD363NF
	200	15	50	50	60	125	150	40	—		1HD364NF	3HD364NF
	400	—	—	—	125	250	350	50	—		1HD365NF	3HD365NF
	600	—	—	—	200	400	500	—	—		1HD366NF	3HD366NF
	800	—	—	—	—	500	500	—	—		1HD367NF	3HD367NF
	1200	—	—	—	—	500	500	—	—		1HD368NF	3HD368NF
<b>Four-Pole—480 Vac—600 Vac, 250 Vdc</b>												
	30	10 <sup>④</sup>	20 <sup>④</sup>	25 <sup>④</sup>	10	20	30	5	—		1HD461NF	3HD461NF
	60	20 <sup>④</sup>	40 <sup>④</sup>	50 <sup>④</sup>	20	50	60	10	—		1HD462NF	3HD462NF
	100	40 <sup>④</sup>	50 <sup>④</sup>	50 <sup>④</sup>	40	75	100	20	—		1HD463NF	3HD463NF
	200	50 <sup>④</sup>	50 <sup>④</sup>	50 <sup>④</sup>	60	125	150	40	—		1HD464NF	3HD464NF
	400	50 <sup>④</sup>	—	—	125	250	350	50	—		1HD465NF	<sup>③</sup>
	600	—	—	—	200	400	500	—	—		1HD466NF	<sup>③</sup>
	800	—	—	—	—	—	—	—	—		<sup>②③</sup>	<sup>②③</sup>

#### Notes

- ① Type 12 enclosures (30–1200A) can be field modified to meet Type 3R rainproof requirements when a factory provided drain hole is opened.
- ② DC rating for 800A switches is 250V.
- ③ Contact Customer Support (1-800-268-3578) for availability of this product.
- ④ Ratings are for two-phase AC.
- ⑤ Type 4X stainless steel enclosure.
- ⑥ Type 4 painted steel enclosure.