

Switching Devices

Safety Switches

Safety Switch Selection Guide

Type	Voltage	Fuse Type		Fuse Class	Ampere Rating	Number of Poles ^③	Enclosure Type				Type 4 Painted Steel	Type 4X Stainless Steel	Type 4X Non Metallic	NEMA 7/9 Hazardous Location	
							Type 1	Type 3R	Type 12 ^①						
Air Conditioning Disconnect	Max. 240VAC	Fusible	Cartridge	H	30 and 60	2	—	Yes	—	—	—	—	—	—	
	Max. 240VAC	Non-Fusible	—	—	60	2	—	Yes	—	—	—	—	—	—	
		Molded Case Switch	—	—	—	60	2	—	Yes	—	—	—	—	—	—
	Max. 600VAC	Non-Fusible	—	—	30-80	3	—	Yes	—	—	—	—	—	—	
General Duty	Single Throw	Fusible	Plug	—	30	1 and 2	Yes	Yes	—	—	—	—	—	—	
	Max. 240VAC	Non-Fusible	Cartridge	H	30-600	2 and 3	Yes	Yes	—	—	—	—	—	—	
		Non-Fusible	—	—	—	30-600	2 and 3	Yes	Yes	—	—	—	—	—	—
Heavy Duty	Single Throw	Fusible	Cartridge	H	30-600	2, 3, and 4	Yes	Yes	Yes ^{①②}	Yes ^②	Yes ^②	—	—	—	
	Max. 600VAC	Non-Fusible	—	L	800-1200	2, 3, and 4	Yes	Yes	Up to 1200A	Up to 1200A	Up to 1200A	400-1200A	Up to 1200A	—	
		250 VDC & 600 VDC	Non-Fusible	—	—	30-1200	2, 3, and 4	Yes	Yes	Up to 1200A	Up to 1200A	Up to 1200A	400-1200A	Up to 1200A	—
6-Pole Motor Circuit^②	Single Throw	Fusible	Cartridge	H	30-200	6	—	Yes	Yes ^{①②}	—	Yes ^②	—	—	—	
	Max. 600VAC	Non-Fusible	—	—	30-200	6	—	Yes	Yes ^{①②}	—	Yes ^②	—	—	—	
Double Throw^③	Max. 600VAV 250VDC	Fusible	Cartridge	H	30-200	2 and 3	Yes	Yes	Yes ^{①②}	Yes ^②	Yes ^②	—	—	—	
		Non-Fusible ^③	—	T (240V)	400-1200	3	Yes	Yes	Yes ^{①②}	Yes ^②	Yes ^②	400-600A	400-600A	—	—
			—	—	T (600V)	30-1200	2, 3, 4, 6	Yes	Yes	Yes ^{①②}	Yes ^②	Yes ^②	Up to 200A	Up to 200A	—
Enclosed Rotary Switches	Max. 600VAC	Non-Fusible	—	—	30-80	3	—	—	Yes ^①	—	Yes	Yes	—	—	
		Non-Fusible	—	—	30-100	3	—	—	—	—	—	—	—	Yes	
Hazardous Location Disconnect Switch	Max. 600VAC 250VDC	Fusible	Cartridge	J	30-100	3	—	—	—	—	—	—	—	Yes	
Enviroline All Stainless^②	Single Throw Max. 600VAC/DC	Fusible	Cartridge	H	30-400	2 and 3	—	—	—	—	Yes ^②	—	—	—	
		Non-Fusible	—	—	30-400	3	—	—	—	—	Yes ^②	—	—	—	
Viewing Window	Single Throw Max. 600VAC/DC	Fusible	Cartridge	H	30-1200	2, 3, 4, 6	—	—	Yes ^①	Yes	Yes	—	—	—	
		Non-Fusible	—	—	30-1200	2, 3, 4, 6	—	—	Yes ^①	Yes	Yes	—	—	—	
Receptacle (Pin & Sleeve)^②	Single Throw Max. 600VAC/DC	Fusible	Cartridge	H	30-100	3	—	—	Yes ^{①②}	—	Yes ^②	—	—	—	
		Non-Fusible	—	—	60	3	—	—	Yes ^{①②}	—	Yes ^②	—	—	—	
Quick Connect (Cam & Posi Lok)	Single Throw Max. 600VAC	Fusible	Cartridge	H	100-600	2, 3, and 4	Yes	Yes	—	—	—	—	—	—	
		Non-Fusible	—	L	800	2, 3, and 4	Yes	Yes	—	—	—	—	—	—	
	Double Throw Max. 600VAC	Non-Fusible	—	—	100-800	2, 3, and 4	Yes	Yes	—	—	—	—	—	—	
		w Non-Fusible w Fuse	—	—	—	2, 3, and 4	Yes	Yes	—	—	—	—	—	—	
		Cartridge	H	100-200	2, 3, and 4	Yes	Yes	—	—	—	—	—	—		
			T	400-800	2, 3, and 4	Yes	Yes	—	—	—	—	—	—	—	
Solar	Single Throw Max. 600VDC	Fusible	—	R	30-600	1 (3)	—	Yes	Yes ^{①②}	Yes ^②	—	—	—	—	
		Non-Fusible	—	—	30-600	1 (3)	—	Yes	Yes ^{①②}	Yes ^②	—	—	—	—	

Notes

- ① Type 12 enclosures (30-1200 amperes) can be field modified to meet Type 3R rainproof requirements when a factory provided drain screw is removed.
- ② Optional windows also available with type 12 or 4/4X enclosures.
- ③ Double throw non-fusible 4 pole 30-800A, 6 pole 30-100A.

Product Overview

- Used to open or close a circuit
- Non-fusible safety switches provide a means to manually connect or disconnect the load from the source
- Fusible safety switches provide a means to manually open and close a circuit and provide overcurrent protection by means of installed fuses
- Fusible switches certified for use as service entrance equipment (unless noted)
- Also commonly referred to as a disconnect switch or disconnect

- Available from 30–1200A
- All Padlockable
- Horsepower rated
- 100% load break rated (unless noted)
- Non-Fusible switches are 100% continuous duty rated and fusible switches are 80% continuous duty rated per CSA C22.2 No.4

Standards and Certifications

- C22.2 No.4 File #69743
- C22.2 No.14 (Enclosed Rotary) File #162136
- Det Norske Veritas
- ISO 9001:2008
- CSA certified Class I, Div, 1 & 2, Groups B, C & D; Class II, Div 1 & 2, Groups E, G & F; Class III, Div 1 & 2, Zone 1, IIB + H2 for NEMA 7/9.
- Seismic qualified (UBC and CBC) for Heavy Duty 30-800A
- ISO 1400



Fuse Clips/Class

Adaptable to Accept the Following Fuse Class

Safety Switch Type	Standard Fuse Class Clips Supplied with Switch	R	J	T
AC Disconnect	H	—	—	—
General Duty	H	30A-600A	400-600A	400-600A
Heavy Duty	H 30-600A L 800-1200A	30A-600A	240V-100-600A 600V-30-600A	200A-800A 1200A
Heavy Duty 6 Pole	H	30A-200A	60A-200A	200A
Double Throw	H 30-200A T 240V-600A-1200A T 600V-400A-1200A	30A-400A	240V-200A Only 600V-200A-400A	240V-600A-1200A 600V-400A-1200A (Standard)
Enviroline All Stainless & Window	Same as Heavy Duty	Same as Heavy Duty		Same as Heavy Duty
Receptacle (Pin & Sleeve)	H	30A-100A	60A-100A	—
Solar	R	30A - 600A	—	—

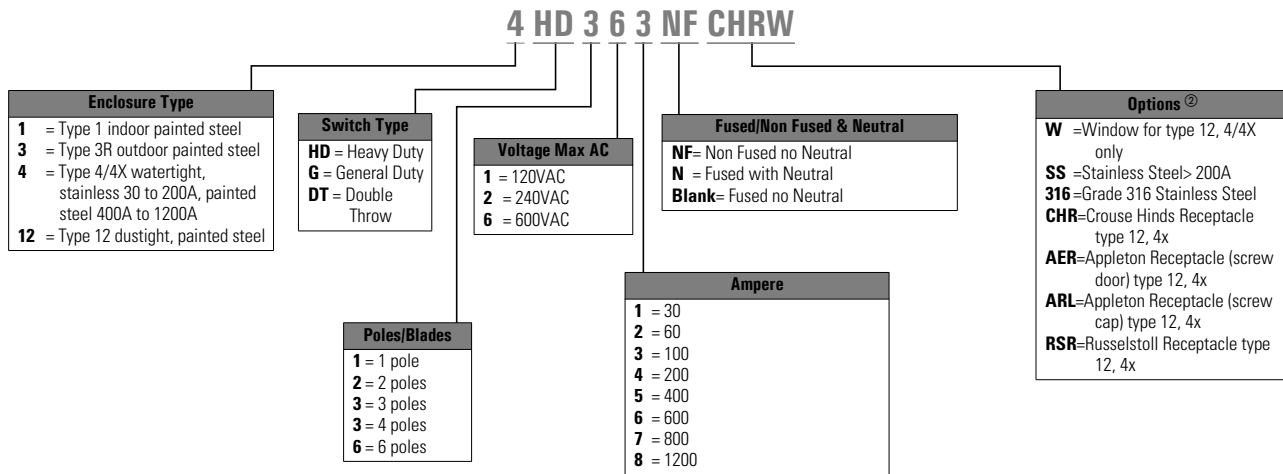
Note: Refer to specific switch technical data page for field adaptation notes.

Switching Devices

Safety Switches

Catalogue Number Selection

Safety Switch



Notes

- ① Always verify the number of poles and wires required since catalogue numbers may appear in multiple tables.
 - ② See **Pages 12** through **14** for additional Flex Centre options.
- This table is intended for use in breaking down existing catalogue numbers. It is not intended for building new catalogue numbers.

