

**Short-Circuit Coordination**

		25-30A 1+2-Pole	40A 1+2-Pole	25-30A 3-Pole	40A 3-Pole	50-90A 3-Pole	25-30A 4-Pole	40A 4-Pole
<b>Standard Short Circuit Rating</b>	[kA]	5	5	5	5	5	5	5
<b>High Current Short Circuit Rating</b>								
Class J-fuses								
Available fault current	[kA]	100	100	100	100	❶	100	100
cUL Max. fuse (600V)	[A]	60	100	60	100	❶	50	100
Enclosure Minimum	[in <sup>3</sup> ]	96	96	144	144	❶	144	144
Molded Case Circuit Breaker								
Available fault current	[kA]	100	100	100	100	❶	100	100
cUL Max. breaker (480V)	[A]	80	80	80	100	❶	80	100
Enclosure Minimum	[in <sup>3</sup> ]	144	144	144	144	❶	144	144

**Service Life**

	1,000,000	1,000,000	1,000,000	1,000,000	500,000	1,000,000	1,000,000
<b>Mechanical</b> (operations)							
<b>Electrical</b> (operations)							
Resistive Load (UL)	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Inductive Load (UL)	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Inductive Load (Self-certified)	200,000	200,000	200,000	200,000	200,000	200,000	200,000

**Data for Surge Suppression Selection**

Contactor Configuration (All voltages)	Resistor	Capacitor	Snubber ❷
1 Pole	680 ohms	0.47 n <i>f</i>	RCS1M-6
2 Pole	330 ohms	0.47 n <i>f</i>	RCS1K-6
3P 30/40 Amp	220 ohms	0.47 n <i>f</i>	RCS1A-6
4P 30 Amp	220 ohms	0.47 n <i>f</i>	RCS1A-6
3P 50/60 Amp	150 ohms	0.47 n <i>f</i>	RCS1H-6
3P 75/90 Amp	68 ohms	0.47 u <i>f</i>	RCS1E-6

- ❶ UL testing not complete at the time of this printing.
- ❷ Recommended snubbers from RK Electric.