

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
Standard Short Circuit Rating	[kA]	5	5	5	5	5	5	5
High Current Short Circuit Rating								
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 ³]	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 ³]	144	144	144	144	❶	144	144

Service Life

Mechanical (operations)		1,000,000	1,000,000	1,000,000	1,000,000	500,000	1,000,000	1,000,000
Electrical (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.