



Motor Starter Protectors (MSP)

Selection

SIRIUS 3RV10 Manual Combination Starters, also for Group Installation, Class 20

Description	Ordering Information
<p>The 3RV103 and 3RV104 MSP's can be used as Type E self-protected manual combination starters per UL508 or as components in Group Installation per NEC 430-53(C) to turn motors on and off. Each device has built-in heater elements that provide overload protection and magnetic trip elements to protect the motor. When using the 3RV as a manual combination starter, upstream protection is not required. When the 3RV is used as a component in Group Installation, multiple MSP's can be installed below one circuit breaker to protect its own motor. A contactor can be mounted to the MSP to provide a remotely operated starter.</p>	<ul style="list-style-type: none"> ▶ ON/OFF rotary handle with lockout and visible trip indication. ▶ Adjustment dial for setting to motor FLA. ▶ Class 20 overload trip characteristics. ▶ Short circuit trip at 12 times the maximum setting of the FLA adjustment dial. ▶ Short circuit current rating:[ⓐ] ▶ Ambient compensated up to 140° F (applies to side by side mounting). ▶ Phase loss sensitivity. ▶ Test trip function. ▶ Accessories see pages 275–279. ▶ General Information see pages 270–271. ▶ Technical Data see pages 362–368. ▶ Dimensions see pages 383–386.

Note: Select MSP by motor Full Load Amperes. Horsepower ratings are for reference only.

Illustration	FLA Adjustment Range	Single-Phase HP Ratings		Three-Phase HP Ratings				Catalog No	Price \$
		115V	230V	200V	230V	460V	575V		
	3RV103								
	11–16	1	3	5	5	10	15	3RV1031-4AB10	329.
	14–20	1½	3	5	7½	15	20	3RV1031-4BB10	329.
	18–25	2	5	7½	10	20	25	3RV1031-4DB10	329.
	22–32	3	5	10	10	25	30	3RV1031-4EB10	329.
	28–40	3	7½	15	15	30	40	3RV1031-4FB10	365.
	36–45	5	7½	15	15	30	40	3RV1031-4GB10	365.
	40–50	5	10	15	20	40	50	3RV1031-4HB10	365.
	3RV104								
	28–40	3	7½	15	15	30	40	3RV1042-4FB10	407.
	36–50	5	10	15	20	40	50	3RV1042-4HB10	407.
	45–63	5	15	20	25	50	60	3RV1042-4JB10	407.
	57–75	7½	15	25	25	60	75	3RV1042-4KB10	425.
	70–90	10	20	30	30	75	100 [ⓐ]	3RV1042-4LB10	450.
80–100	10	25	40	40	75	100 [ⓐ]	3RV1042-4MB10	500.	

ⓐ Short Circuit Ratings:
 Group Installation: 50kA @ 480V,
 25kA @ 600V (30kA for 3RV104)

Manual Combination Starter:
3RV103—50kA @ 240V, 480Y/277V,
 25kA 600Y/347V
3RV104—50kA @ 240V, 480Y/277V,
 30kA @ 600Y/347V up to 75 amps.

ⓑ ■ Shaded Ratings apply for Group Installation Only!
 These Ratings do not apply as UL Listed Manual
 Combination Starters.

For UL Listed Manual Combination Starters:
3RV103—11–50 A up to 575V Max.
3RV104—28–100 A up to 480V Max.
 28–75 A up to 575V Max.

IEC Control 4