

# 3RV1 Motor Starter Protectors

## For Motor Protection

SIRIUS



3RV10 Class 10  
up to 12A

Description	Ordering Information
<p>The <b>3RV101 MSP's</b>, can be used 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 the <b>3RV101</b> 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"> <li>▶ ON/OFF rocker mechanism with lockout.</li> <li>▶ Adjustment dial for setting to motor FLA.</li> <li>▶ Class 10 overload trip characteristics.</li> <li>▶ Short circuit trip at 12 times the maximum setting of the FLA adjustment dial.</li> <li>▶ Short circuit current rating:</li> <li>▶ Ambient compensated up to 140° F (applies to side by side mounting).</li> <li>▶ Phase loss sensitivity.</li> <li>▶ Test trip function.</li> <li>▶ Cage Clamp version.</li> <li>▶ Auxiliaries and Accessories see pages 1/8–1/15.</li> <li>▶ General Information see pages 1/28–1/31.</li> <li>▶ Technical Data see pages 1/20–1/27.</li> <li>▶ Dimensions see page 1/32.</li> </ul>

**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 <sup>①</sup>				Instantaneous short circuit release $I >$ A	UL short-circuit breaking capacity @ 480 V $I_{cu}$ kA	Screw connection		Cage clamp connection	
		115V	230V	200V	230V	460V	575V			Catalog No	List Price \$	Catalog No	List Price \$
<b>3RV101 Frame Size S00<sup>②</sup></b>													
	0.11–0.16	—	—	—	—	—	—	2.1	65	3RV1011-0AA10	116.	3RV1011-0AA20	121.
	0.14–0.2	—	—	—	—	—	—	2.6	65	3RV1011-0BA10	116.	3RV1011-0BA20	121.
	0.18–0.25	—	—	—	—	—	—	3.3	65	3RV1011-0CA10	116.	3RV1011-0CA20	121.
	0.22–0.32	—	—	—	—	—	—	4.2	65	3RV1011-0DA10	116.	3RV1011-0DA20	121.
	0.28–0.4	—	—	—	—	—	—	5.2	65	3RV1011-0EA10	116.	3RV1011-0EA20	121.
	0.35–0.5	—	—	—	—	—	—	6.5	65	3RV1011-0FA10	130.	3RV1011-0FA20	135.
	0.45–0.63	—	—	—	—	—	¼	8.2	65	3RV1011-0GA10	130.	3RV1011-0GA20	135.
	0.55–0.8	—	—	—	—	¼	½	10	65	3RV1011-0HA10	130.	3RV1011-0HA20	135.
	0.7–1	—	—	—	—	½	½	13	65	3RV1011-0JA10	130.	3RV1011-0JA20	135.
	0.9–1.25	—	—	—	¼	¾	¾	16	65	3RV1011-0KA10	130.	3RV1011-0KA20	135.
	1.1–1.6	—	¼	¼	½	¾	1	21	65	3RV1011-1AA10	130.	3RV1011-1AA20	135.
	1.4–2	—	½	½	½	1	1½	26	65	3RV1011-1BA10	130.	3RV1011-1BA20	135.
	1.8–2.5	—	¾	¾	¾	1½	1½	33	65	3RV1011-1CA10	130.	3RV1011-1CA20	135.
	2.2–3.2	¼	¾	¾	¾	1½	2	42	65	3RV1011-1DA10	130.	3RV1011-1DA20	135.
	2.8–4	½	¾	¾	1	2	3	52	65	3RV1011-1EA10	130.	3RV1011-1EA20	135.
	3.5–5	¾	1	1	3	3	5	65	65	3RV1011-1FA10	130.	3RV1011-1FA20	135.
	4.5–6.3	1	1½	1½	5	5	8	82	65	3RV1011-1GA10	130.	3RV1011-1GA20	135.
	5.5–8	1½	2	2	5	5	10	104	65	3RV1011-1HA10	130.	3RV1011-1HA20	135.
	7–10	2	3	3	7½	10 <sup>③</sup>	15	130	65	3RV1011-1JA10	130.	3RV1011-1JA20	135.
	9–12	3	4	4	10	15	20	156	65	3RV1011-1KA10	159.	3RV1011-1KA20	164.
<b>Accessories</b>													
Transverse auxiliary switch <sup>③</sup> 1 NO + 1 NC separately								Approx. weight .02 kg		3RV19 01-1E	24.	3RV19 01-2E	26.

① Select MSP by motor full load amps. Horse power ratings for reference only.  
 ② Size S00 MSP are listed for group installation only.  
 ③ For additional auxiliary switches refer to Accessories, Page 1/8 (screw connection) and Page 1/15 (Cage Clamp connection).

④ All setting ranges are suitable for use in group installation for the following ratings.  
 Maximum short-circuit rating:  
 S00-480 V, 3 phase, 65,000 rms symmetrical amps;  
 600 V, 3 phase, 10,000 rms symmetrical amps.

The 3RV1011 devices except suffix -1J and -1K are suitable for tap conductor protection in group applications used on the above levels.