

SIRIUS 3RV2 Motor Starter Protectors/Circuit Breakers up to 40 A

Motor Starter Protectors

For motor protection

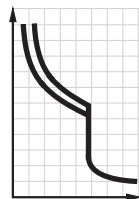
Selection and ordering data

CLASS 10, without auxiliary switches¹⁾

The **3RV20 1 & 3RV20 2 MSP's** 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 3RV2 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.

The **3RV20** can also be used as Type E self-protected manual combination starters per UL 508 with the use of an additional type E terminal adapter. See [page 5/21](#) and [5/29](#).



3RV20 11-0AA10







3RV20 11-0EA20



3RV20 21-4AA10



3RV20 21-4AA20

Rated current	Suitable for induction motors ²⁾ with P	Setting range for thermal overload release	Instantaneous electronic releases	Short-circuit breaking capacity at 460 V AC	Screw terminals 	Weight approx.	Spring-type terminals 	Weight approx.
I_n				I_{cu}	Order No.	kg	Order No.	kg
A	HP	A	A	kA				
Size S00								
0.16	--	0.11 ... 0.16	2.1	65	3RV20 11-0AA10	0.260	3RV20 11-0AA20	0.280
0.2	--	0.14 ... 0.2	2.6	65	3RV20 11-0BA10	0.260	3RV20 11-0BA20	0.290
0.25	--	0.18 ... 0.25	3.3	65	3RV20 11-0CA10	0.260	3RV20 11-0CA20	0.290
0.32	--	0.22 ... 0.32	4.2	65	3RV20 11-0DA10	0.260	3RV20 11-0DA20	0.280
0.4	--	0.28 ... 0.4	5.2	65	3RV20 11-0EA10	0.260	3RV20 11-0EA20	0.290
0.5	--	0.35 ... 0.5	6.5	65	3RV20 11-0FA10	0.260	3RV20 11-0FA20	0.290
0.63	--	0.45 ... 0.63	8.2	65	3RV20 11-0GA10	0.260	3RV20 11-0GA20	0.280
0.8	--	0.55 ... 0.8	10	65	3RV20 11-0HA10	0.260	3RV20 11-0HA20	0.280
1	--	0.7 ... 1	13	65	3RV20 11-0JA10	0.320	3RV20 11-0JA20	0.350
1.25	1/2	0.9 ... 1.25	16	65	3RV20 11-0KA10	0.320	3RV20 11-0KA20	0.350
1.6	3/4	1.1 ... 1.6	21	65	3RV20 11-1AA10	0.320	3RV20 11-1AA20	0.350
2	3/4	1.4 ... 2	26	65	3RV20 11-1BA10	0.320	3RV20 11-1BA20	0.350
2.5	1	1.8 ... 2.5	33	65	3RV20 11-1CA10	0.320	3RV20 11-1CA20	0.350
3.2	1.5	2.2 ... 3.2	42	65	3RV20 11-1DA10	0.330	3RV20 11-1DA20	0.350
4	2	2.8 ... 4	52	65	3RV20 11-1EA10	0.320	3RV20 11-1EA20	0.350
5	3	3.5 ... 5	65	65	3RV20 11-1FA10	0.330	3RV20 11-1FA20	0.350
6.3	3	4.5 ... 6.3	82	65	3RV20 11-1GA10	0.330	3RV20 11-1GA20	0.360
8	5	5.5 ... 8	104	65	3RV20 11-1HA10	0.330	3RV20 11-1HA20	0.360
10	5	7 ... 10	130	65	3RV20 11-1JA10	0.330	3RV20 11-1JA20	0.360
12.5	7.5	9 ... 12.5	163	65	3RV20 11-1KA10	0.330	3RV20 11-1KA20	0.360
16	10	11 ... 16	208	65	3RV20 11-4AA10	0.340	3RV20 11-4AA20	0.360
Size S0								
16	10	11 ... 16	208	65	3RV20 21-4AA10	0.340	3RV20 21-4AA20	0.390
20	10	14 ... 20	260	65	3RV20 21-4BA10	0.340	3RV20 21-4BA20	0.400
22	15	17 ... 22	286	65	3RV20 21-4CA10	0.340	3RV20 21-4CA20	0.390
25	15	20 ... 25	325	65	3RV20 21-4DA10	0.340	3RV20 21-4DA20	0.400
28	20	23 ... 28	364	50	3RV20 21-4NA10	0.350	3RV20 21-4NA20	0.410
32	20	27 ... 32	400	50	3RV20 21-4EA10	0.350	3RV20 21-4EA20	0.410
36	25	30 ... 36	432	12	3RV20 21-4PA10	0.360	--	--
40	30	34 ... 40	480	12	3RV20 21-4FA10	0.360	--	--

¹⁾ The 3RV20 .1-...A.0 motor starter protectors up to 32 A are also available with ring lug terminal connection. The Order No. must be changed in the 11th position to "4": e. g. 3RV20 11-0AA40.

²⁾ Guide value for 4-pole standard motors at AC 60 Hz 460 V. Select MSP by motor full load amps. Horsepower ratings for reference only.

Auxiliary switches can be ordered separately (see "Mountable accessories").

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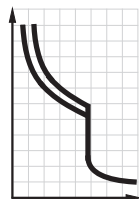
For motor protection

CLASS 10, with transverse auxiliary switch (1 NO + 1 NC)

The **3RV20 1** & **3RV20 2** MSP's 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 3RV2 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.

The **3RV20** can also be used as Type E self-protected manual combination starters per UL 508 with the use of an additional type E terminal adapter. See page 5/21 and 5/29.



3RV20 11-4AA15
with integrated transverse auxiliary switch



3RV20 11-0EA25
with integrated transverse auxiliary switch



3RV20 21-4AA15
with integrated transverse auxiliary switch



3RV20 21-4AA25
with integrated transverse auxiliary switch

Rated current	Suitable for induction motors ¹⁾ with P	Setting range for thermal overload release	Instantaneous over-current releases	Short-circuit breaking capacity at 460 V AC	Screw terminals	Weight approx.	Spring-type terminals	Weight approx.
I_n				I_{cu}	Order No.	kg	Order No.	kg
A	HP	A	A	kA				
Size S00								
0.16	--	0.11 ... 0.16	2.1	65	3RV20 11-0AA15	0.280	3RV20 11-0AA25	0.300
0.2	--	0.14 ... 0.2	2.6	65	3RV20 11-0BA15	0.280	3RV20 11-0BA25	0.310
0.25	--	0.18 ... 0.25	3.3	65	3RV20 11-0CA15	0.280	3RV20 11-0CA25	0.310
0.32	--	0.22 ... 0.32	4.2	65	3RV20 11-0DA15	0.280	3RV20 11-0DA25	0.300
0.4	--	0.28 ... 0.4	5.2	65	3RV20 11-0EA15	0.280	3RV20 11-0EA25	0.310
0.5	--	0.35 ... 0.5	6.5	65	3RV20 11-0FA15	0.280	3RV20 11-0FA25	0.310
0.63	--	0.45 ... 0.63	8.2	65	3RV20 11-0GA15	0.280	3RV20 11-0GA25	0.300
0.8	--	0.55 ... 0.8	10	65	3RV20 11-0HA15	0.280	3RV20 11-0HA25	0.300
1	--	0.7 ... 1	13	65	3RV20 11-0JA15	0.340	3RV20 11-0JA25	0.370
1.25	1/2	0.9 ... 1.25	16	65	3RV20 11-0KA15	0.340	3RV20 11-0KA25	0.370
1.6	3/4	1.1 ... 1.6	21	65	3RV20 11-1AA15	0.340	3RV20 11-1AA25	0.370
2	3/4	1.4 ... 2	26	65	3RV20 11-1BA15	0.340	3RV20 11-1BA25	0.370
2.5	1	1.8 ... 2.5	33	65	3RV20 11-1CA15	0.340	3RV20 11-1CA25	0.370
3.2	1.5	2.2 ... 3.2	42	65	3RV20 11-1DA15	0.350	3RV20 11-1DA25	0.370
4	2	2.8 ... 4	52	65	3RV20 11-1EA15	0.340	3RV20 11-1EA25	0.370
5	3	3.5 ... 5	65	65	3RV20 11-1FA15	0.350	3RV20 11-1FA25	0.370
6.3	3	4.5 ... 6.3	82	65	3RV20 11-1GA15	0.350	3RV20 11-1GA25	0.380
8	5	5.5 ... 8	104	65	3RV20 11-1HA15	0.350	3RV20 11-1HA25	0.380
10	5	7 ... 10	130	65	3RV20 11-1JA15	0.350	3RV20 11-1JA25	0.380
12.5	7.5	9 ... 12.5	163	65	3RV20 11-1KA15	0.350	3RV20 11-1KA25	0.380
16	10	11 ... 16	208	65	3RV20 11-4AA15	0.360	3RV20 11-4AA25	0.380
Size S0								
16	10	11 ... 16	208	65	3RV20 21-4AA15	0.360	3RV20 21-4AA25	0.410
20	10	14 ... 20	260	65	3RV20 21-4BA15	0.360	3RV20 21-4BA25	0.420
22	15	17 ... 22	286	65	3RV20 21-4CA15	0.360	3RV20 21-4CA25	0.410
25	15	20 ... 25	325	65	3RV20 21-4DA15	0.360	3RV20 21-4DA25	0.420
28	20	23 ... 28	364	50	3RV20 21-4NA15	0.370	3RV20 21-4NA25	0.430
32	20	27 ... 32	400	50	3RV20 21-4EA15	0.370	3RV20 21-4EA25	0.430
36	25	30 ... 36	432	12	3RV20 21-4PA15	0.380	--	--
40	30	34 ... 40	480	12	3RV20 21-4FA15	0.380	--	--

¹⁾ Guide value for 4-pole standard motors at AC 60 Hz 460 V. Select MSP by motor full load amps. Horsepower ratings for reference only.

Auxiliary switches can be ordered separately (see "Mountable accessories").