

Motor Starter Protectors/Circuit Breakers

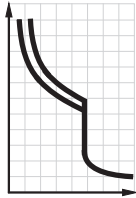
SIRIUS 3RV2 Motor Starter Protectors up to 40 A

For motor protection

Selection and ordering data

CLASS 10, without auxiliary switches¹⁾

PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 101



3RV20 11-0AA10



3RV20 11-0EA20



3RV20 21-4AA10



3RV20 21-4AA20

Rated current	Suitable for three-phase induction motors ²⁾ with P	Setting range for thermal overload release	Instantaneous overcurrent release	Short-circuit breaking capacity at 400 V AC	DT	Screw terminals	DT	Spring-type terminals	
I_n				I_{cu}		Order No.	Price per PU	Order No.	Price per PU
A	kW	A	A	kA					
Size S00									
0.16	0.04	0.11 ... 0.16	2.1	100	▶	3RV20 11-0AA10	▶	3RV20 11-0AA20	▶
0.2	0.06	0.14 ... 0.2	2.6	100	▶	3RV20 11-0BA10	▶	3RV20 11-0BA20	▶
0.25	0.06	0.18 ... 0.25	3.3	100	▶	3RV20 11-0CA10	▶	3RV20 11-0CA20	▶
0.32	0.09	0.22 ... 0.32	4.2	100	▶	3RV20 11-0DA10	▶	3RV20 11-0DA20	▶
0.4	0.09	0.28 ... 0.4	5.2	100	▶	3RV20 11-0EA10	▶	3RV20 11-0EA20	▶
0.5	0.12	0.35 ... 0.5	6.5	100	▶	3RV20 11-0FA10	▶	3RV20 11-0FA20	▶
0.63	0.18	0.45 ... 0.63	8.2	100	▶	3RV20 11-0GA10	▶	3RV20 11-0GA20	▶
0.8	0.18	0.55 ... 0.8	10	100	▶	3RV20 11-0HA10	▶	3RV20 11-0HA20	▶
1	0.25	0.7 ... 1	13	100	▶	3RV20 11-0JA10	▶	3RV20 11-0JA20	▶
1.25	0.37	0.9 ... 1.25	16	100	▶	3RV20 11-0KA10	▶	3RV20 11-0KA20	▶
1.6	0.55	1.1 ... 1.6	21	100	▶	3RV20 11-1AA10	▶	3RV20 11-1AA20	▶
2	0.75	1.4 ... 2	26	100	▶	3RV20 11-1BA10	▶	3RV20 11-1BA20	▶
2.5	0.75	1.8 ... 2.5	33	100	▶	3RV20 11-1CA10	▶	3RV20 11-1CA20	▶
3.2	1.1	2.2 ... 3.2	42	100	▶	3RV20 11-1DA10	▶	3RV20 11-1DA20	▶
4	1.5	2.8 ... 4	52	100	▶	3RV20 11-1EA10	▶	3RV20 11-1EA20	▶
5	1.5	3.5 ... 5	65	100	▶	3RV20 11-1FA10	▶	3RV20 11-1FA20	▶
6.3	2.2	4.5 ... 6.3	82	100	▶	3RV20 11-1GA10	▶	3RV20 11-1GA20	▶
8	3	5.5 ... 8	104	100	▶	3RV20 11-1HA10	▶	3RV20 11-1HA20	▶
10	4	7 ... 10	130	100	▶	3RV20 11-1JA10	▶	3RV20 11-1JA20	▶
12.5	5.5	9 ... 12.5	163	100	▶	3RV20 11-1KA10	▶	3RV20 11-1KA20	▶
16	7.5	11 ... 16	208	55	▶	3RV20 11-4AA10	▶	3RV20 11-4AA20	▶
Size S0									
16	7.5	11 ... 16	208	55	▶	3RV20 21-4AA10	▶	3RV20 21-4AA20	▶
20	7.5	14 ... 20	260	55	▶	3RV20 21-4BA10	▶	3RV20 21-4BA20	▶
22	11	17 ... 22	286	55	▶	3RV20 21-4CA10	▶	3RV20 21-4CA20	▶
25	11	20 ... 25	325	55	▶	3RV20 21-4DA10	▶	3RV20 21-4DA20	▶
28	15	23 ... 28	364	55	▶	3RV20 21-4NA10	▶	3RV20 21-4NA20	▶
32	15	27 ... 32	400	55	▶	3RV20 21-4EA10	▶	3RV20 21-4EA20	▶
36	18.5	30 ... 36	432	20	▶	3RV20 21-4PA10	▶	--	--
40	18.5	34 ... 40	480	20	▶	3RV20 21-4FA10	▶	--	--

¹⁾ The 3RV20 .1-..A.0 motor starter protectors up to 32 A are also available with ring terminal lug 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 50 Hz 400 V AC. The actual starting and rated data of the motor to be protected must be considered when selecting the units.

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

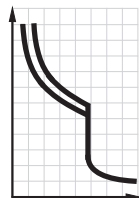
Motor Starter Protectors/Circuit Breakers

SIRIUS 3RV2 Motor Starter Protectors up to 40 A

For motor protection

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

PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 101



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 three-phase induction motors ¹⁾ with P	Setting range for thermal overload release	Instantaneous overcurrent release	Short-circuit breaking capacity at 400 V AC	DT	Screw terminals	DT	Spring-type terminals	
I_n				I_{cu}		Order No.	Price per PU	Order No.	Price per PU
A	kW	A	A	kA					
Size S00									
0.16	0.04	0.11 ... 0.16	2.1	100	▶	3RV20 11-0AA15	▶	3RV20 11-0AA25	
0.2	0.06	0.14 ... 0.2	2.6	100	▶	3RV20 11-0BA15	▶	3RV20 11-0BA25	
0.25	0.06	0.18 ... 0.25	3.3	100	▶	3RV20 11-0CA15	▶	3RV20 11-0CA25	
0.32	0.09	0.22 ... 0.32	4.2	100	▶	3RV20 11-0DA15	▶	3RV20 11-0DA25	
0.4	0.09	0.28 ... 0.4	5.2	100	▶	3RV20 11-0EA15	▶	3RV20 11-0EA25	
0.5	0.12	0.35 ... 0.5	6.5	100	▶	3RV20 11-0FA15	▶	3RV20 11-0FA25	
0.63	0.18	0.45 ... 0.63	8.2	100	▶	3RV20 11-0GA15	▶	3RV20 11-0GA25	
0.8	0.18	0.55 ... 0.8	10	100	▶	3RV20 11-0HA15	▶	3RV20 11-0HA25	
1	0.25	0.7 ... 1	13	100	▶	3RV20 11-0JA15	▶	3RV20 11-0JA25	
1.25	0.37	0.9 ... 1.25	16	100	▶	3RV20 11-0KA15	▶	3RV20 11-0KA25	
1.6	0.55	1.1 ... 1.6	21	100	▶	3RV20 11-1AA15	▶	3RV20 11-1AA25	
2	0.75	1.4 ... 2	26	100	▶	3RV20 11-1BA15	▶	3RV20 11-1BA25	
2.5	0.75	1.8 ... 2.5	33	100	▶	3RV20 11-1CA15	▶	3RV20 11-1CA25	
3.2	1.1	2.2 ... 3.2	42	100	▶	3RV20 11-1DA15	▶	3RV20 11-1DA25	
4	1.5	2.8 ... 4	52	100	▶	3RV20 11-1EA15	▶	3RV20 11-1EA25	
5	1.5	3.5 ... 5	65	100	▶	3RV20 11-1FA15	▶	3RV20 11-1FA25	
6.3	2.2	4.5 ... 6.3	82	100	▶	3RV20 11-1GA15	▶	3RV20 11-1GA25	
8	3	5.5 ... 8	104	100	▶	3RV20 11-1HA15	▶	3RV20 11-1HA25	
10	4	7 ... 10	130	100	▶	3RV20 11-1JA15	▶	3RV20 11-1JA25	
12.5	5.5	9 ... 12.5	163	100	▶	3RV20 11-1KA15	▶	3RV20 11-1KA25	
16	7.5	11 ... 16	208	55	▶	3RV20 11-4AA15	▶	3RV20 11-4AA25	
Size S0									
16	7.5	11 ... 16	208	55	▶	3RV20 21-4AA15	▶	3RV20 21-4AA25	
20	7.5	14 ... 20	260	55	▶	3RV20 21-4BA15	▶	3RV20 21-4BA25	
22	11	17 ... 22	286	55	▶	3RV20 21-4CA15	▶	3RV20 21-4CA25	
25	11	20 ... 25	325	55	▶	3RV20 21-4DA15	▶	3RV20 21-4DA25	
28	15	23 ... 28	364	55	▶	3RV20 21-4NA15	▶	3RV20 21-4NA25	
32	15	27 ... 32	400	55	▶	3RV20 21-4EA15	▶	3RV20 21-4EA25	
36	18.5	30 ... 36	432	20	▶	3RV20 21-4PA15		--	
40	18.5	34 ... 40	480	20	▶	3RV20 21-4FA15		--	

¹⁾ Guide value for 4-pole standard motors at 50 Hz 400 V AC. The actual starting and rated data of the motor to be protected must be considered when selecting the units.

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

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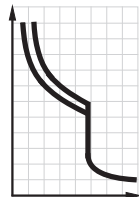
Motor Starter Protectors/Circuit Breakers

SIRIUS 3RV2 Motor Starter Protectors up to 40 A

For motor protection with overload relay function

Selection and ordering data

CLASS 10, with overload relay function (automatic RESET), without auxiliary switches



3RV21 11-0FA10



3RV21 21-4BA10

Rated current	Suitable for induction motors ¹⁾ with P	Setting range for thermal overload release	Instantaneous overcurrent release	Short-circuit breaking capacity at 400 V AC	DT	Screw terminals	⊕	PU (UNIT, SET, M)	PS*	PG
I_n				I_{cu}		Order No.	Price per PU			
A	kW	A	A	kA						
Size S00²⁾										
0.16	0.04	0.11 ... 0.16	2.1	100	A	3RV21 11-0AA10		1	1 unit	101
0.2	0.06	0.14 ... 0.2	2.6	100	A	3RV21 11-0BA10		1	1 unit	101
0.25	0.06	0.18 ... 0.25	3.3	100	A	3RV21 11-0CA10		1	1 unit	101
0.32	0.09	0.22 ... 0.32	4.2	100	A	3RV21 11-0DA10		1	1 unit	101
0.4	0.09	0.28 ... 0.4	5.2	100	A	3RV21 11-0EA10		1	1 unit	101
0.5	0.12	0.35 ... 0.5	6.5	100	A	3RV21 11-0FA10		1	1 unit	101
0.63	0.18	0.45 ... 0.63	8.2	100	A	3RV21 11-0GA10		1	1 unit	101
0.8	0.18	0.55 ... 0.8	10	100	A	3RV21 11-0HA10		1	1 unit	101
1	0.25	0.7 ... 1	13	100	A	3RV21 11-0JA10		1	1 unit	101
1.25	0.37	0.9 ... 1.25	16	100	A	3RV21 11-0KA10		1	1 unit	101
1.6	0.55	1.1 ... 1.6	21	100	A	3RV21 11-1AA10		1	1 unit	101
2	0.75	1.4 ... 2	26	100	A	3RV21 11-1BA10		1	1 unit	101
2.5	0.75	1.8 ... 2.5	33	100	A	3RV21 11-1CA10		1	1 unit	101
3.2	1.1	2.2 ... 3.2	42	100	A	3RV21 11-1DA10		1	1 unit	101
4	1.5	2.8 ... 4	52	100	A	3RV21 11-1EA10		1	1 unit	101
5	1.5	3.5 ... 5	65	100	A	3RV21 11-1FA10		1	1 unit	101
6.3	2.2	4.5 ... 6.3	82	100	A	3RV21 11-1GA10		1	1 unit	101
8	3	5.5 ... 8	104	100	A	3RV21 11-1HA10		1	1 unit	101
10	4	7 ... 10	130	100	A	3RV21 11-1JA10		1	1 unit	101
12.5	5.5	9 ... 12.5	163	100	A	3RV21 11-1KA10		1	1 unit	101
16	7.5	11 ... 16	208	55	A	3RV21 11-4AA10		1	1 unit	101
Size S0²⁾										
16	7.5	11 ... 16	208	55	A	3RV21 21-4AA10		1	1 unit	101
20	7.5	14 ... 20	260	55	A	3RV21 21-4BA10		1	1 unit	101
22	11	17 ... 22	286	55	A	3RV21 21-4CA10		1	1 unit	101
25	11	20 ... 25	325	55	A	3RV21 21-4DA10		1	1 unit	101
28	15	23 ... 28	364	55	A	3RV21 21-4NA10		1	1 unit	101
32	15	27 ... 32	400	55	A	3RV21 21-4EA10		1	1 unit	101

¹⁾ Guide value for 4-pole standard motors at 50 Hz 400 V AC. The actual starting and rated data of the motor to be protected must be considered when selecting the units.

²⁾ Accessories for mounting on the right and 3RV29 15 three-phase busbars cannot be used.

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

Motor Starter Protectors/Circuit Breakers

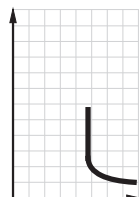
SIRIUS 3RV2 Motor Starter Protectors up to 40 A

For starter combinations

Selection and ordering data

Without auxiliary switches

PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 101



3RV23 11-4AC10



3RV23 11-0JC20



3RV23 21-4AC10



3RV23 21-4AC20

Rated current	Suitable for induction motors ¹⁾ with P	Thermal overload release ²⁾	Instantaneous overcurrent release	Short-circuit breaking capacity at 400 V AC	DT	Screw terminals	DT	Spring-type terminals	
I_n				I_{cu}		Order No.	Price per PU	Order No.	Price per PU
A	kW	A	A	kA					
Size S00									
0.16	0.04	Without	2.1	100	B	3RV23 11-0AC10	B	3RV23 11-0AC20	B
0.2	0.06	Without	2.6	100	B	3RV23 11-0BC10	B	3RV23 11-0BC20	B
0.25	0.06	Without	3.3	100	B	3RV23 11-0CC10	B	3RV23 11-0CC20	B
0.32	0.09	Without	4.2	100	B	3RV23 11-0DC10	B	3RV23 11-0DC20	B
0.4	0.09	Without	5.2	100	B	3RV23 11-0EC10	B	3RV23 11-0EC20	B
0.5	0.12	Without	6.5	100	B	3RV23 11-0FC10	B	3RV23 11-0FC20	B
0.63	0.18	Without	8.2	100	B	3RV23 11-0GC10	B	3RV23 11-0GC20	B
0.8	0.18	Without	10	100	B	3RV23 11-0HC10	B	3RV23 11-0HC20	B
1	0.25	Without	13	100	B	3RV23 11-0JC10	B	3RV23 11-0JC20	B
1.25	0.37	Without	16	100	B	3RV23 11-0KC10	B	3RV23 11-0KC20	B
1.6	0.55	Without	21	100	B	3RV23 11-1AC10	B	3RV23 11-1AC20	B
2	0.75	Without	26	100	B	3RV23 11-1BC10	B	3RV23 11-1BC20	B
2.5	0.75	Without	33	100	B	3RV23 11-1CC10	B	3RV23 11-1CC20	B
3.2	1.1	Without	42	100	B	3RV23 11-1DC10	B	3RV23 11-1DC20	B
4	1.5	Without	52	100	B	3RV23 11-1EC10	B	3RV23 11-1EC20	B
5	1.5	Without	65	100	B	3RV23 11-1FC10	B	3RV23 11-1FC20	B
6.3	2.2	Without	82	100	B	3RV23 11-1GC10	B	3RV23 11-1GC20	B
8	3	Without	104	100	B	3RV23 11-1HC10	B	3RV23 11-1HC20	B
10	4	Without	130	100	B	3RV23 11-1JC10	B	3RV23 11-1JC20	B
12.5	5.5	Without	163	100	B	3RV23 11-1KC10	B	3RV23 11-1KC20	B
16	7.5	Without	208	55	B	3RV23 11-4AC10	B	3RV23 11-4AC20	B
Size S0									
16	7.5	Without	208	55	B	3RV23 21-4AC10	B	3RV23 21-4AC20	B
20	7.5	Without	260	55	B	3RV23 21-4BC10	B	3RV23 21-4BC20	B
22	11	Without	286	55	B	3RV23 21-4CC10	B	3RV23 21-4CC20	B
25	11	Without	325	55	B	3RV23 21-4DC10	B	3RV23 21-4DC20	B
28	15	Without	364	55	B	3RV23 21-4NC10	B	3RV23 21-4NC20	B
32	15	Without	400	55	B	3RV23 21-4EC10	B	3RV23 21-4EC20	B
36	18.5	Without	432	20	B	3RV23 21-4PC10	B	--	--
40	18.5	Without	480	20	B	3RV23 21-4FC10	B	--	--

¹⁾ Guide value for 4-pole standard motors at 50 Hz 400 V AC. The actual starting and rated data of the motor to be protected must be considered when selecting the units.

²⁾ For overload protection of the motors, appropriate overload relays must be used.

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

Motor Starter Protectors/Circuit Breakers

SIRIUS 3RV2 Motor Starter Protectors up to 40 A

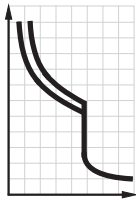
For transformer protection

Selection and ordering data

CLASS 10, without auxiliary switches

Motor starter protectors for the protection of transformers with high inrush current

PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 101



3RV24 11-0AA10



3RV24 11-0AA20



3RV24 21-4AA10



3RV24 21-4AA20

Rated current	Setting range for thermal overload release	Instantaneous overcurrent release	Short-circuit breaking capacity at 400 V AC	DT	Screw terminals	DT	Spring-type terminals	
I_n		$I >$	I_{cu}		Order No.	Price per PU	Order No.	Price per PU
A	A	A	kA					
Size S00								
0.16	0.11 ... 0.16	3.3	100	▶	3RV24 11-0AA10	B	3RV24 11-0AA20	
0.2	0.14 ... 0.2	4.2	100	▶	3RV24 11-0BA10	B	3RV24 11-0BA20	
0.25	0.18 ... 0.25	5.2	100	▶	3RV24 11-0CA10	B	3RV24 11-0CA20	
0.32	0.22 ... 0.32	6.5	100	▶	3RV24 11-0DA10	B	3RV24 11-0DA20	
0.4	0.28 ... 0.4	8.2	100	▶	3RV24 11-0EA10	B	3RV24 11-0EA20	
0.5	0.35 ... 0.5	10	100	▶	3RV24 11-0FA10	B	3RV24 11-0FA20	
0.63	0.45 ... 0.63	13	100	▶	3RV24 11-0GA10	B	3RV24 11-0GA20	
0.8	0.55 ... 0.8	16	100	▶	3RV24 11-0HA10	B	3RV24 11-0HA20	
1	0.7 ... 1	21	100	▶	3RV24 11-0JA10	B	3RV24 11-0JA20	
1.25	0.9 ... 1.25	26	100	▶	3RV24 11-0KA10	B	3RV24 11-0KA20	
1.6	1.1 ... 1.6	33	100	▶	3RV24 11-1AA10	B	3RV24 11-1AA20	
2	1.4 ... 2	42	100	▶	3RV24 11-1BA10	B	3RV24 11-1BA20	
2.5	1.8 ... 2.5	52	100	▶	3RV24 11-1CA10	B	3RV24 11-1CA20	
3.2	2.2 ... 3.2	65	100	▶	3RV24 11-1DA10	B	3RV24 11-1DA20	
4	2.8 ... 4	82	100	▶	3RV24 11-1EA10	B	3RV24 11-1EA20	
5	3.5 ... 5	104	100	▶	3RV24 11-1FA10	B	3RV24 11-1FA20	
6.3	4.5 ... 6.3	130	100	▶	3RV24 11-1GA10	B	3RV24 11-1GA20	
8	5.5 ... 8	163	100	▶	3RV24 11-1HA10	B	3RV24 11-1HA20	
10	7 ... 10	208	100	▶	3RV24 11-1JA10	B	3RV24 11-1JA20	
12.5	9 ... 12.5	260	100	▶	3RV24 11-1KA10	B	3RV24 11-1KA20	
16	11 ... 16	286	55	▶	3RV24 11-4AA10	B	3RV24 11-4AA20	
Size S0								
16	11 ... 16	286	55	▶	3RV24 21-4AA10	B	3RV24 21-4AA20	
20	14 ... 20	325	55	▶	3RV24 21-4BA10	B	3RV24 21-4BA20	
22	17 ... 22	364	55	▶	3RV24 21-4CA10	B	3RV24 21-4CA20	
25	20 ... 25	400	55	▶	3RV24 21-4DA10	B	3RV24 21-4DA20	

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

Motor Starter Protectors/Circuit Breakers

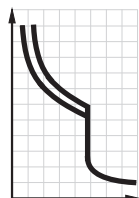
SIRIUS 3RV2 Circuit Breakers up to 40 A

For system protection
according to UL 489/CSA C22.2 No. 5-02

Selection and ordering data

Without auxiliary switches

Circuit breakers for system protection and non-motor loads according to UL/CSA



3RV27 11-0AD10

Rated current ¹⁾	Thermal overload release (non-adjustable)	Instantaneous overcurrent release	Short-circuit breaking capacity at 480 Y/277 V AC ²⁾	DT	Screw terminals	⊕	PU (UNIT, SET, M)	PS*	PG
$I_n^{(1)}$		$I >$	I_{bc}		Order No.	Price per PU			
A	A	A	kA						
Size S00									
0.16	0.16	2.1	65	C	3RV27 11-0AD10		1	1 unit	101
0.2	0.2	2.6	65	C	3RV27 11-0BD10		1	1 unit	101
0.25	0.25	3.3	65	C	3RV27 11-0CD10		1	1 unit	101
0.32	0.32	4.2	65	C	3RV27 11-0DD10		1	1 unit	101
0.4	0.4	5.2	65	C	3RV27 11-0ED10		1	1 unit	101
0.5	0.5	6.5	65	C	3RV27 11-0FD10		1	1 unit	101
0.63	0.63	8.2	65	C	3RV27 11-0GD10		1	1 unit	101
0.8	0.8	10	65	C	3RV27 11-0HD10		1	1 unit	101
1	1	13	65	C	3RV27 11-0JD10		1	1 unit	101
1.25	1.25	16	65	C	3RV27 11-0KD10		1	1 unit	101
1.6	1.6	21	65	C	3RV27 11-1AD10		1	1 unit	101
2	2	26	65	C	3RV27 11-1BD10		1	1 unit	101
2.5	2.5	33	65	C	3RV27 11-1CD10		1	1 unit	101
3.2	3.2	42	65	C	3RV27 11-1DD10		1	1 unit	101
4	4	52	65	C	3RV27 11-1ED10		1	1 unit	101
5	5	65	65	C	3RV27 11-1FD10		1	1 unit	101
6.3	6.3	82	65	C	3RV27 11-1GD10		1	1 unit	101
8	8	104	65	C	3RV27 11-1HD10		1	1 unit	101
10	10	130	65	C	3RV27 11-1JD10		1	1 unit	101
12.5	12.5	163	65	C	3RV27 11-1KD10		1	1 unit	101
15	15	208	65	C	3RV27 11-4AD10		1	1 unit	101

1) Rated value 100 % according to UL 489 and IEC 60947-2 ("100 % rated breaker").

2) For values for 600 Y/347 V AC see "Technical specifications"--> "Permissible rated data of devices approved for North America (UL/CSA)" --> "3RV27 and 3RV28 Motor Starter Protectors as Circuit Breakers" see note on Technical Information on page 5/1.

Lateral and transverse auxiliary switches can be ordered separately (see "Mountable accessories").

Motor Starter Protectors/Circuit Breakers

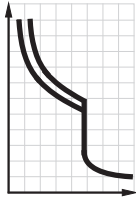
SIRIUS 3RV2 Circuit Breakers up to 40 A

For transformer protection
according to UL 489/CSA C22.2 No. 5-02

Selection and ordering data

Without auxiliary switches

Circuit breakers for system and transformer protection according to UL/CSA, specially designed for transformers with high inrush current



3RV28 11-0AD10

Rated current ¹⁾	Thermal overload release (non-adjustable)	Instantaneous overcurrent release	Short-circuit breaking capacity at 480 Y/277 V AC ²⁾	DT	Screw terminals	⊕	PU (UNIT, SET, M)	PS*	PG
$I_n^{1)}$			I_{bc}		Order No.	Price per PU			
A	A	A	kA						
Size S00									
0.16	0.16	3.3	65	C	3RV28 11-0AD10		1	1 unit	101
0.2	0.2	4.2	65	C	3RV28 11-0BD10		1	1 unit	101
0.25	0.25	5.2	65	C	3RV28 11-0CD10		1	1 unit	101
0.32	0.32	6.5	65	C	3RV28 11-0DD10		1	1 unit	101
0.4	0.4	8.2	65	C	3RV28 11-0ED10		1	1 unit	101
0.5	0.5	10	65	C	3RV28 11-0FD10		1	1 unit	101
0.63	0.63	13	65	C	3RV28 11-0GD10		1	1 unit	101
0.8	0.8	16	65	C	3RV28 11-0HD10		1	1 unit	101
1	1	21	65	C	3RV28 11-0JD10		1	1 unit	101
1.25	1.25	26	65	C	3RV28 11-0KD10		1	1 unit	101
1.6	1.6	33	65	C	3RV28 11-1AD10		1	1 unit	101
2	2	42	65	C	3RV28 11-1BD10		1	1 unit	101
2.5	2.5	52	65	C	3RV28 11-1CD10		1	1 unit	101
3.2	3.2	65	65	C	3RV28 11-1DD10		1	1 unit	101
4	4	82	65	C	3RV28 11-1ED10		1	1 unit	101
5	5	104	65	C	3RV28 11-1FD10		1	1 unit	101
6.3	6.3	130	65	C	3RV28 11-1GD10		1	1 unit	101
8	8	163	65	C	3RV28 11-1HD10		1	1 unit	101
10	10	208	65	C	3RV28 11-1JD10		1	1 unit	101
12.5	12.5	260	65	C	3RV28 11-1KD10		1	1 unit	101
15	15	286	65	C	3RV28 11-4AD10		1	1 unit	101

¹⁾ Rated value 100 % according to UL 489 and IEC 60947-2 ("100 % rated breaker").

²⁾ For values for 600 Y/347 V AC see "Technical specifications"--> "Permissible rated data of devices approved for North America (UL/CSA)" --> "3RV27 and 3RV28 Motor Starter Protectors as Circuit Breakers" see note on Technical Information on page 5/1.

Lateral and transverse auxiliary switches can be ordered separately (see "Mountable accessories").

Motor Starter Protectors/Circuit Breakers

SIRIUS 3RV2 Motor Starter Protectors up to 40 A

Accessories

Mountable accessories

Overview

Mounting location and function

The 3RV2 motor starter protectors have three main contact elements. In order to achieve maximum flexibility, auxiliary switches, signaling switches, auxiliary releases and isolator modules can be supplied separately.

These components can be fitted as required on the motor starter protectors without using tools.

For overview graphic see page 5/7.

<p>Front side</p> <p><u>Note:</u></p> <ul style="list-style-type: none"> • A maximum of 4 auxiliary contacts with auxiliary switches can be attached to each motor starter protector. 	<p>Transverse auxiliary switches, solid-state compatible transverse auxiliary switches</p> <p>1 NO + 1 NC or 2 NO or 1 CO</p>	<p>An auxiliary switch block can be inserted transversely on the front. The overall width of the motor starter protectors remains unchanged.</p>
<p>Left-hand side</p> <p><u>Notes:</u></p> <ul style="list-style-type: none"> • A maximum of 4 auxiliary contacts with auxiliary switches can be attached to each motor starter protector. • Auxiliary switches (2 contacts) and signal switches can be mounted separately or together. • The signaling switch cannot be used for the 3RV27 and 3RV28 circuit breakers. 	<p>Lateral auxiliary switches (2 contacts)</p> <p>1 NO + 1 NC or 2 NO or 2 NC</p> <p>Lateral auxiliary switches (4 contacts)</p> <p>2 NO + 2 NC</p>	<p>One of the three lateral auxiliary switches can be mounted on the left side per motor starter protector. The contacts of the auxiliary switch close and open together with the main contacts of the motor starter protector.</p> <p>The width of the lateral auxiliary switch with 2 contacts is 9 mm.</p> <p>One lateral auxiliary switch with four contacts can be mounted on the left side per motor starter protector. The contacts of the auxiliary switch close and open together with the main contacts of the motor starter protector.</p> <p>The width of the lateral auxiliary switch with 4 contacts is 18 mm.</p>
	<p>Signaling switches</p> <p>Tripping 1 NO + 1 NC Short-circuit 1 NO + 1 NC</p>	<p>One signaling switch can be mounted on the left side of each motor starter protector.</p> <p>The signaling switch has two contact systems.</p> <p>One contact system always signals tripping irrespective of whether this was caused by a short-circuit, an overload or an auxiliary release. The other contact system only switches in the event of a short-circuit. There is no signaling as a result of switching off with the handle.</p> <p>In order to be able to switch on the motor starter protector again after a short-circuit, the signaling switch must be reset manually after the error cause has been eliminated.</p> <p>The overall width of the signaling switch is 18 mm.</p>
<p>Right-hand side</p> <p><u>Notes:</u></p> <ul style="list-style-type: none"> • One auxiliary release can be mounted per motor starter protector. • Accessories cannot be mounted at the right-hand side of the 3RV21 motor starter protectors for motor protection with overload relay function. 	<p>Auxiliary releases</p> <p>Shunt releases</p> <p>or</p> <p>Undervoltage releases</p> <p>or</p> <p>Undervoltage releases with leading auxiliary contacts 2 NO</p>	<p>For remote-controlled tripping of the motor starter protector. The release coil should only be energized for short periods (see circuit diagrams).</p> <p>Trips the motor starter protector when the voltage is interrupted and prevents the motor from being restarted accidentally when the voltage is restored. Used for remote-controlled tripping of the motor starter protector.</p> <p>Particularly suitable for EMERGENCY-STOP disconnection by way of the corresponding EMERGENCY-STOP pushbutton according to EN 60204-1.</p>
		<p>Function and use as for the undervoltage release without leading auxiliary contacts, but with the following additional function: the auxiliary contacts will open in switch position OFF to deenergize the coil of the undervoltage release, thus interrupting energy consumption. In the "tripped" position, these auxiliary contacts are not guaranteed to open. The leading contacts permit the motor starter protector to reclose.</p> <p>The overall width of the auxiliary release is 18 mm.</p>
<p>Top</p> <p><u>Notes:</u></p> <ul style="list-style-type: none"> • The isolator module cannot be used for the 3RV27 and 3RV28 circuit breakers. • The isolator module covers the terminal screws of the transverse auxiliary switch. If the isolator module is used, we therefore recommend that either the lateral auxiliary switches be fitted or that the isolator module not be mounted until the auxiliary switch has been wired. 	<p>Isolator modules</p>	<p>Isolator modules can be mounted to the upper terminal end of the motor starter protectors.</p> <p>The supply cable is connected to the motor starter protector through the isolator module.</p> <p>The plug can only be unplugged when the motor starter protector is open and isolates all 3 poles of the motor starter protector from the network. The shock-protected isolation point is clearly visible and secured with a padlock to prevent reinsertion of the plug.</p>

For a complete overview of which accessories can be used for the various motor starter protectors see page 5/2.

Motor Starter Protectors/Circuit Breakers

SIRIUS 3RV2 Motor Starter Protectors up to 40 A

Accessories
Mountable accessories

Selection and ordering data

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 101

Version	For motor starter protectors	DT	Screw terminals	DT	Spring-type terminals	
Order No.	Price per PU	Order No.	Price per PU	Order No.	Price per PU	
Auxiliary switches¹⁾						
	Transverse auxiliary switches for front mounting	S00, S0	▶	3RV29 01-1D 3RV29 01-1E 3RV29 01-1F	▶	-- 3RV29 01-2E 3RV29 01-2F
3RV29 01-1E	1 CO 1 NO + 1 NC ³⁾ 2 NO					
	Solid-state compatible transverse auxiliary switches mountable on the front, for operation in dusty atmosphere and in solid-state circuits with low operating currents	S00, S0	A	3RV29 01-1G		--
3RV29 01-2E	1 CO					
	Covers for transverse auxiliary switches	S00, S0	▶	3RV29 01-0H		--
3RV29 01-1G						
	Lateral auxiliary switches mountable on the left	S00, S0	▶	3RV29 01-1A 3RV29 01-1B 3RV29 01-1C 3RV29 01-1J	▶	3RV29 01-2A 3RV29 01-2B 3RV29 01-2C --
3RV29 01-1A 3RV29 01-2A	1 NO + 1 NC ³⁾ 2 NO 2 NC 2 NO + 2 NC					
Signaling switches²⁾						
	Signaling switches³⁾	S00, S0	▶	3RV29 21-1M	▶	3RV29 21-2M
3RV29 21-1M 3RV29 21-2M	One signaling switch can be mounted on the left per motor starter protector. Separate tripped and short-circuit alarms, 1 NO + 1 NC each					
Isolator modules²⁾						
	Isolator modules	S00, S0	▶	3RV29 28-1A		--
3RV29 28-1A with padlock	Visible isolating distance for isolating individual motor starter protectors from the network, lockable in disconnected position					

1) Each motor starter protector can be fitted with one transverse and one lateral auxiliary switch. The lateral auxiliary switch with 2 NO + 2 NC is used without a transverse auxiliary switch.

2) This accessory cannot be used for the 3RV27 and 3RV28 circuit breakers.

3) The 3RV29 auxiliary and signaling switches with 1 NO + 1 NC are also available with ring terminal lug connection. The Order No. must be changed in the 8th position to "4": e.g. 3RV29 01-4E.

Motor Starter Protectors/Circuit Breakers

SIRIUS 3RV2 Motor Starter Protectors up to 40 A

Accessories

Mountable accessories

PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 101



3RV29 02-1AV0



3RV29 02-2AV0



3RV29 22-1CP0



3RV29 02-2DB0

Rated control supply voltage U_s						For motor starter protectors	DT	Screw terminals		DT	Spring-type terminals	
AC 50 Hz	AC 60 Hz	AC 50/60 Hz	AC/DC 50/60 Hz, DC	DC	Order No.			Price per PU	Order No.		Price per PU	
V	V	V	V	V	Size							
Auxiliary releases³⁾												
Undervoltage releases												
--	--	--	--	24	S00, S0	A	3RV29 02-1AB4				--	
24	--	--	--	--	S00, S0	A	3RV29 02-1AB0				--	
110	120	--	--	--	S00, S0	A	3RV29 02-1AF0				--	
--	208	--	--	--	S00, S0	A	3RV29 02-1AM1				--	
230	240	--	--	--	S00, S0	4) ▶	3RV29 02-1AP0		▶		3RV29 02-2AP0	
400	440	--	--	--	S00, S0	4) ▶	3RV29 02-1AV0		▶		3RV29 02-2AV0	
415	480	--	--	--	S00, S0	A	3RV29 02-1AV1				--	
500	600	--	--	--	S00, S0	A	3RV29 02-1AS0				--	
Undervoltage releases with leading auxiliary contacts 2 NO												
230	240	--	--	--	S00, S0	A	3RV29 22-1CP0		A		3RV29 22-2CP0	
400	440	--	--	--	S00, S0	A	3RV29 22-1CV0		A		3RV29 22-2CV0	
415	480	--	--	--	S00, S0	4) A	3RV29 22-1CV1		A		3RV29 22-2CV1	
Shunt releases												
--	--	20 ... 24	20 ... 70	--	S00, S0	▶	3RV29 02-1DB0		▶		3RV29 02-2DB0	
--	--	90 ... 110	70 ... 190	--	S00, S0	4) A	3RV29 02-1DF0		A		3RV29 02-2DF0	
--	--	210 ... 240	190 ... 330	--	S00, S0	4) ▶	3RV29 02-1DP0		▶		3RV29 02-2DP0	
--	--	350 ... 415	330 ... 500	--	S00, S0	A	3RV29 02-1DV0				--	
--	--	500	500	--	S00, S0	A	3RV29 02-1DS0				--	

¹⁾ The voltage range is valid for 100 % (infinite) ON period. The response voltage lies at 0.9 of the lower limit of the voltage range.

²⁾ The voltage range is valid for 5 s ON period at AC 50/60 Hz and DC. The response voltage lies at 0.85 of the lower limit of the voltage range.

³⁾ One auxiliary release can be mounted on the right per motor starter protector (does not apply to 3RV21 motor starter protectors with overload relay function).

⁴⁾ The 3RV29 auxiliary releases are also available with ring terminal lug connection. The Order No. must be changed in the 8th position to "4": e.g. 3RV29 02-4AP0.