

# Combination Starters & Starters for Group Installation

## Reversing, AC Coil

**3RA12**  
up to 22 A

**SIRIUS**



### Selection and ordering data

3RA12 10

3RA12 20

#### Reversing duty




#### Rated control supply voltage 120 V AC 60 Hz for 35 mm standard mounting rail or screw mounting

- All starters are suitable for use in Group Installation applications per NEC 430-53 (c)
- Motor starter protector and contactor are linked electrically and mechanically by means of a link module. Size S0 includes an adapter plate
- Starter includes both electrical and mechanical interlocks
- Auxiliary switches <sup>1)</sup> can be added easily to the MSP and the contactor

#### Combination Starter, UL508 Type F

- Size S0 devices can be applied as Combination Starters with the addition of a 3RV1928-1H line side terminal kit

						FLA setting range Inverse-time delayed overload release	Starter Order No.	List Price \$	Size	Consisting of the following individual devices			
Single-Phase HP Ratings		Three-Phase <sup>2)</sup> HP ratings								Motor starter protector	+2 Contactors	+	Link module + assembly kit RH <sup>3)</sup>
115V	230V	200V	230V	460V	575V	A							
65 kA at 480 V													
—	—	—	—	—	—	0.11 ... 0.16	3RA12 1□-0AA15-□AK6		S00	3RV10 11-0AA10	3RT10 15-1AK62	3RA1911-1AA00 + 3RA1913-2A <sup>4)</sup>	
—	—	—	—	—	—	0.14 ... 0.2	3RA12 1□-0BA15-□AK6			3RV10 11-0BA10			
—	—	—	—	—	—	0.18 ... 0.25	3RA12 1□-0CA15-□AK6			3RV10 11-0CA10			
—	—	—	—	—	—	0.22 ... 0.32	3RA12 1□-0DA15-□AK6			3RV10 11-0DA10			
—	—	—	—	—	—	0.28 ... 0.4	3RA12 1□-0EA15-□AK6			3RV10 11-0EA10			
—	—	—	—	—	—	0.35 ... 0.5	3RA12 1□-0FA15-□AK6			3RV10 11-0FA10			
—	—	—	—	—	1/4	0.45 ... 0.63	3RA12 1□-0GA15-□AK6			3RV10 11-0GA10			
—	—	—	—	1/4	1/2	0.55 ... 0.8	3RA12 1□-0HA15-□AK6			3RV10 11-0HA10			
—	—	—	—	1/2	1/2	0.7 ... 1	3RA12 1□-0JA15-□AK6			3RV10 11-0JA10			
—	—	—	1/4	3/4	3/4	0.9 ... 1.25	3RA12 1□-0KA15-□AK6			3RV10 11-0KA10			
—	1/10	1/4	1/3	3/4	1	1.1 ... 1.6	3RA12 1□-1AA15-□AK6			3RV10 11-1AA10			
—	1/8	1/3	1/2	1	1 1/2	1.4 ... 2	3RA12 1□-1BA15-□AK6			3RV10 11-1BA10			
—	1/6	1/2	1/2	1 1/2	1 1/2	1.8 ... 2.5	3RA12 1□-1CA15-□AK6			3RV10 11-1CA10			
1/10	1/4	3/4	3/4	1 1/2	2	2.2 ... 3.2	3RA12 1□-1DA15-□AK6			3RV10 11-1DA10			
1/8	1/3	3/4	1	2	3	2.8 ... 4	3RA12 1□-1EA15-□AK6			3RV10 11-1EA10			
1/6	1/2	1	1	3	3	3.5 ... 5	3RA12 1□-1FA15-□AK6			3RV10 11-1FA10			
1/4	3/4	1 1/2	1 1/2	5	5	4.5 ... 6.3	3RA12 1□-1GA15-□AK6			3RV10 11-1GA10			
1/3	1	2	2	5	5	5.5 ... 8	3RA12 1□-1HA16-□AK6			3RV10 11-1HA10	3RT10 16-1AK62		
—	—	—	—	—	—	0.11 ... 0.16	3RA12 2□-0AB23-□AK6		S0	3RV10 21-0AA10	3RT10 23-1AK60	3RA1921-1AA00 + 3RA1923-1B <sup>4)</sup>	
—	—	—	—	—	—	0.14 ... 0.2	3RA12 2□-0BB23-□AK6			3RV10 21-0BA10			
—	—	—	—	—	—	0.18 ... 0.25	3RA12 2□-0CB23-□AK6			3RV10 21-0CA10			
—	—	—	—	—	—	0.22 ... 0.32	3RA12 2□-0DB23-□AK6			3RV10 21-0DA10			
—	—	—	—	—	—	0.28 ... 0.4	3RA12 2□-0EB23-□AK6			3RV10 21-0EA10			
—	—	—	—	—	—	0.35 ... 0.5	3RA12 2□-0FB23-□AK6			3RV10 21-0FA10			
—	—	—	—	—	1/4	0.45 ... 0.63	3RA12 2□-0GB23-□AK6			3RV10 21-0GA10			
—	—	—	—	1/4	1/2	0.55 ... 0.8	3RA12 2□-0HB23-□AK6			3RV10 21-0HA10			
—	—	—	—	1/2	1/2	0.7 ... 1	3RA12 2□-0JB23-□AK6			3RV10 21-0JA10			
—	—	—	1/4	3/4	3/4	0.9 ... 1.25	3RA12 2□-0KB23-□AK6			3RV10 21-0KA10			
—	1/10	1/4	1/3	3/4	1	1.1 ... 1.6	3RA12 2□-1AB23-□AK6			3RV10 21-1AA10			
—	1/8	1/3	1/2	1	1 1/2	1.4 ... 2	3RA12 2□-1BB23-□AK6			3RV10 21-1BA10			
—	1/6	1/2	1/2	1 1/2	1 1/2	1.8 ... 2.5	3RA12 2□-1CB23-□AK6			3RV10 21-1CA10			
1/10	1/4	3/4	3/4	1 1/2	2	2.2 ... 3.2	3RA12 2□-1DB23-□AK6			3RV10 21-1DA10			
1/8	1/3	3/4	1	2	3	2.8 ... 4	3RA12 2□-1EB23-□AK6			3RV10 21-1EA10			
1/6	1/2	1	1	3	3	3.5 ... 5	3RA12 2□-1FB23-□AK6			3RV10 21-1FA10			
1/4	3/4	1 1/2	1 1/2	5	5	4.5 ... 6.3	3RA12 2□-1GB23-□AK6			3RV10 21-1GA10			
1/3	1	2	2	5	5	5.5 ... 8	3RA12 2□-1HB23-□AK6			3RV10 21-1HA10			
1/2	1 1/2	3	3	7 1/2	10	7 ... 10	3RA12 2□-1JB24-□AK6			3RV10 21-1JA10	3RT10 24-1AK60		
1/2	2	3	3	7 1/2	10	9 ... 12.5	3RA12 2□-1KB25-□AK6			3RV10 21-1KA10	3RT10 25-1AK60		
1	3	5	5	10	15	11 ... 16	3RA12 2□-4AB25-□AK6			3RV10 21-4AA10	3RT10 25-1AK60		
1 1/2	3	5	7 1/2	15	20	14 ... 20	3RA12 2□-4BB26-□AK6			3RV10 21-4BA10	3RT10 26-1AK60		
2	3	7 1/2	7 1/2	15	20	17 ... 22	3RA12 2□-4CB26-□AK6			3RV10 21-4CA10	3RT10 26-1AK60		

Order No. suffix  
Standard unit without auxiliary contacts. ....

0 0

<sup>1</sup> SPDT NO/NC MSP auxiliary and 1 NO front mount contactor auxiliary. ....

5 1

RH = Reversing duty for rail mounting.

1) For auxiliary switches, see accessories page 4/50. 3) Adapters for standard mounting rail are also suitable for screw mounting.

2) Selection depends on motor full load amps. Horse power ratings for reference only.

4) Mechanical interlock must be ordered separately; see accessories page 4/54.



## Selection and ordering data

3RA12 20



## Reversing duty

Rated control supply voltage 120 V AC 60 Hz  
for 35 mm standard mounting rail or screw mounting

- All starters are suitable for use in Group Installation applications per NEC 430-53 (c)
- Motor starter protector and contactor are linked electrically and mechanically by means of a link module and adapter plate
- Starter includes both electrical and mechanical interlocks
- Auxiliary switches <sup>1)</sup> can be added easily to the MSP and the contactor

## Combination Starter, UL508 Type F

- Size S2 devices can be applied as Combination Starters
- Size S3 devices can be applied as Combination Starters with the addition of a 3RT1946-4GA07 line side terminal kit

							FLA setting range Inverse-time delayed overload	Starter Order No.	List Price \$	Size	Consisting of the following individual devices		
Single-Phase HP Ratings		Three-Phase <sup>2)</sup> HP ratings					A				Motor starter protector	+ 2 Contactors +	Link module + assembly kit RH <sup>3)</sup>
115V	230V	200V	230V	460V	575V								
<b>65 kA at 480 V</b>													
1	3	5	5	10	15	11 ... 16		<b>3RA12 3□-4AB33-□AK6</b>		<b>S2</b>	3RV10 31-4AA10	3RT1033-1AK60	3RA1931-1AA00 + 3RA1933-1B <sup>4)</sup>
1 1/2	3	5	7 1/2	15	20	14 ... 20		<b>3RA12 3□-4BB33-□AK6</b>			3RV10 31-4BA10		
2	5	7 1/2	10	20	25	18 ... 25		<b>3RA12 3□-4DB33-□AK6</b>			3RV10 31-4DA10		
2	5	10	10	25	30	22 ... 32		<b>3RA12 3□-4EB34-□AK6</b>			3RV10 31-4EA10	3RT1034-1AK60	
3	7 1/2	10	15	30	40	28 ... 40		<b>3RA12 3□-4FB35-□AK6</b>			3RV10 31-4FA10	3RT1035-1AK60	
3	7 1/2	15	15	30	40	36 ... 45		<b>3RA12 3□-4GB36-□AK6</b>			3RV10 31-4GA10	3RT1036-1AK60	
3	10	15	15	40	50	40 ... 50		<b>3RA12 3□-4HB36-□AK6</b>			3RV10 31-4HA10	3RT1036-1AK60	
3	7 1/2	15	15	30	40	28 ... 40		<b>3RA12 4□-4FB44-□AK6</b>		<b>S3</b>	3RV10 41-4FA10	3RT1044-1AK60	3RA1941-1AA00 + 3RA1943-1B <sup>4)</sup>
5	10	15	20	40	50	36 ... 50		<b>3RA12 4□-4HB44-□AK6</b>			3RV10 41-4HA10		
5	15	20	25	50	60	45 ... 63		<b>3RA12 4□-4JB44-□AK6</b>			3RV10 41-4JA10		
7 1/2	15	25	25	60	75	57 ... 75		<b>3RA12 4□-4KB45-□AK6</b>			3RV10 41-4KA10	3RT1045-1AK60	
10	20	30	30	75	—	70 ... 90		<b>3RA12 4□-4LB46-□AK6</b>			3RV10 41-4LA10	3RT1046-1AK60	
10	20	30	30	75	—	80 ... 100		<b>3RA12 4□-4MB46-□AK6</b>			3RV10 41-4MA10	3RT1046-1AK60	
Order No. suffix													
Standard unit without auxiliary contacts. . . . .									0	0			
1 SPDT NO/NC MSP auxiliary and 1 NO front mount contactor auxiliary. . . . .									5	1			

RH = Reversing duty for rail mounting.

1) For auxiliary switches, see accessories page 4/50. 3) Adapters for standard mounting rail are also suitable for screw mounting.

2) Selection depends on motor full load amps. Horse power ratings for reference only.

4) Mechanical interlock must be ordered separately; see accessories page 4/54.

# Combination Starters & Starters for Group Installation

## Reversing, DC Coil

SIRIUS

3RA12  
up to 22 A



### Selection and ordering data

3RA12 10

3RA12 20

Reversing duty



**Rated control supply voltage 24 V DC  
for 35 mm standard mounting rail or screw mounting**

- All starters are suitable for use in Group Installation applications per NEC 430-53 (c)
- Motor starter protector and contactor are linked electrically and mechanically by means of a link module. Size S0 includes an adapter plate
- Starter includes both electrical and mechanical interlocks
- Auxiliary switches <sup>1)</sup> can be added easily to the MSP and the contactor

**Combination Starter, UL508 Type F**

- Size S0 devices can be applied as Combination Starters with the addition of a 3RV1928-1H line side terminal kit

		LA setting range Inverse-time delayed overload release		Starter		Size	Consisting of the following individual devices		
				Order No.	List Price \$		Motor starter protector	+2 Contactors	+ Link module + assembly kit RH <sup>1)</sup> assembly kit RH <sup>3)</sup>
Single-Phase HP Ratings	Three-Phase <sup>2)</sup> HP ratings	115V	230V	200V	230V	460V	575V	A	
<b>65 kA at 480 V</b>									
-	-	-	-	-	-	-	-	0.11 ... 0.16	3RA12 1□-0AA15-□BB4
-	-	-	-	-	-	-	-	0.14 ... 0.2	3RA12 1□-0BA15-□BB4
-	-	-	-	-	-	-	-	0.18 ... 0.25	3RA12 1□-0CA15-□BB4
-	-	-	-	-	-	-	-	0.22 ... 0.32	3RA12 1□-0DA15-□BB4
-	-	-	-	-	-	-	-	0.28 ... 0.4	3RA12 1□-0EA15-□BB4
-	-	-	-	-	-	-	-	0.35 ... 0.5	3RA12 1□-0FA15-□BB4
-	-	-	-	-	-	1/4	1/2	0.45 ... 0.63	3RA12 1□-0GA15-□BB4
-	-	-	-	-	1/4	1/2	0.55 ... 0.8	3RA12 1□-0HA15-□BB4	3RT10 15-1BB42
-	-	-	-	-	1/2	1/2	0.7 ... 1	3RA12 1□-0JA15-□BB4	
-	-	-	-	-	3/4	3/4	0.9 ... 1.25	3RA12 1□-0KA15-□BB4	
-	-	-	-	-	1	1	1.1 ... 1.6	3RA12 1□-1AA15-□BB4	
-	1/10	1/4	1/3	3/4	1	1 1/2	1.4 ... 2	3RA12 1□-1BA15-□BB4	3RT10 16-1BB42
-	1/6	1/2	1/2	1 1/2	1 1/2	1.8 ... 2.5	3RA12 1□-1CA15-□BB4	3RA12 1□-1GA15-□BB4	
1/10	1/4	3/4	3/4	1 1/2	2	2.2 ... 3.2	3RA12 1□-1DA15-□BB4	3RA12 1□-1HA16-□BB4	
1/8	1/3	3/4	1	2	3	2.8 ... 4	3RA12 1□-1EA15-□BB4		
1/6	1/2	1	1	3	3	3.5 ... 5	3RA12 1□-1FA15-□BB4		3RT10 21-1BB40
1/4	3/4	1 1/2	1 1/2	5	5	4.5 ... 6.3	3RA12 1□-1GA15-□BB4		
1/3	1	2	2	5	5	5.5 ... 8	3RA12 1□-1HA16-□BB4		
-	-	-	-	-	-	-	-	0.11 ... 0.16	3RA12 2□-0AB23-□BB4
-	-	-	-	-	-	-	-	0.14 ... 0.2	3RA12 2□-0BB23-□BB4
-	-	-	-	-	-	-	-	0.18 ... 0.25	3RA12 2□-0CB23-□BB4
-	-	-	-	-	-	-	-	0.22 ... 0.32	3RA12 2□-0DB23-□BB4
-	-	-	-	-	-	-	-	0.28 ... 0.4	3RA12 2□-0EB23-□BB4
-	-	-	-	-	-	-	-	0.35 ... 0.5	3RA12 2□-0FB23-□BB4
-	-	-	-	-	1/4	1/2	0.45 ... 0.63	3RA12 2□-0GB23-□BB4	3RT10 23-1BB40
-	-	-	-	-	1/4	1/2	0.55 ... 0.8	3RA12 2□-0HB23-□BB4	
-	-	-	-	-	1/2	1/2	0.7 ... 1	3RA12 2□-0JB23-□BB4	
-	-	-	-	-	3/4	3/4	0.9 ... 1.25	3RA12 2□-0KB23-□BB4	
-	1/10	1/4	1/3	3/4	1	1 1/2	1.1 ... 1.6	3RA12 2□-1AB23-□BB4	3RT10 24-1BB40
-	1/8	1/3	1/2	1	1 1/2	1.4 ... 2	3RA12 2□-1BB23-□BB4	3RA12 2□-1GB23-□BB4	
-	1/6	1/2	1/2	1 1/2	1 1/2	1.8 ... 2.5	3RA12 2□-1CB23-□BB4	3RA12 2□-1HB23-□BB4	
1/10	1/4	3/4	3/4	1 1/2	2	2.2 ... 3.2	3RA12 2□-1DB23-□BB4	3RA12 2□-1JB24-□BB4	
1/8	1/3	3/4	1	2	3	2.8 ... 4	3RA12 2□-1EB23-□BB4	3RA12 2□-1KB25-□BB4	3RT10 25-1BB40
1/6	1/2	1	1	3	3	3.5 ... 5	3RA12 2□-1FB23-□BB4		
1/4	3/4	1 1/2	1 1/2	5	5	4.5 ... 6.3	3RA12 2□-1GB23-□BB4		
1/3	1	2	2	5	5	5.5 ... 8	3RA12 2□-1HB23-□BB4		
1/2	1 1/2	3	3	7 1/2	10	7 ... 10	3RA12 2□-1JB24-□BB4		3RT10 26-1BB40
1/2	2	3	3	7 1/2	10	9 ... 12.5	3RA12 2□-1KB25-□BB4		
1	3	5	5	10	15	11 ... 16	3RA12 2□-4AB25-□BB4		
1 1/2	3	5	7 1/2	15	20	14 ... 20	3RA12 2□-4BB26-□BB4		
2	3	7 1/2	7 1/2	15	20	17 ... 22	3RA12 2□-4CB26-□BB4		

Order No. suffix  
Standard unit without auxiliary contacts. ....

0

0

1 SPDT NO/NC MSP auxiliary and 1 NO  
front mount contactor auxiliary. ....

5

1

RH = Reversing duty for rail mounting.

1) For auxiliary switches, see accessories page 4/50.

2) Selection depends on motor full load amps. Horse power ratings for reference only.

3) Adapters for standard mounting rail are also suitable for screw mounting.

4) Mechanical interlock must be ordered separately; see accessories page 4/54.



## Selection and ordering data

3RA12 20




## Reversing duty

Rated control supply voltage 24 V DC  
for 35 mm standard mounting rail or screw mounting

- All starters are suitable for use in Group Installation applications per NEC 430-53 (c)
- Motor starter protector and contactor are linked electrically and mechanically by means of a link module and adapter plate
- Starter includes both electrical and mechanical interlocks
- Auxiliary switches <sup>1)</sup> can be added easily to the MSP and the contactor

## Combination Starter, UL508 Type F

- Size S2 devices can be applied as Combination Starters
- Size S3 devices can be applied as Combination Starters with the addition of a 3RT1946-4GA07 line side terminal kit

						FLA setting range Inverse-time delayed overload release	Starter Order No.	List Price \$	Size	Consisting of the following individual devices				
Single-Phase HP Ratings		Three-Phase <sup>2)</sup> HP ratings								Motor starter protector	+2 Contactors	+	Link module + assembly kit RH <sup>1)</sup> assembly kit RH <sup>3)</sup>	
115V	230V	200V	230V	460V	575V	A								
<b>65 kA at 480 V</b>														
1	3	5	5	10	15	11 ... 16	<b>3RA12 3□-4AB33-□BB4</b> <b>3RA12 3□-4BB33-□BB4</b> <b>3RA12 3□-4DB33-□BB4</b> <b>3RA12 3□-4EB34-□BB4</b> <b>3RA12 3□-4FB35-□BB4</b> <b>3RA12 3□-4GB36-□BB4</b> <b>3RA12 3□-4HB36-□BB4</b>		<b>S2</b>	3RV10 31-4AA10	3RT1033-1BB40		3RA1931-1BA00 + 3RA1933-1B <sup>4)</sup>	
1 1/2	3	5	7 1/2	15	20	14 ... 20				3RV10 31-4BA10				3RV10 31-4DA10
2	5	7 1/2	10	20	25	18 ... 25				3RV10 31-4EA10				3RV10 31-4FA10
2	5	10	10	25	30	22 ... 32				3RV10 31-4GA10				3RV10 31-4HA10
3	7 1/2	10	15	30	40	28 ... 40				3RT1034-1BB40				3RT1035-1BB40
3	7 1/2	15	15	30	40	36 ... 45				3RT1036-1BB40				3RT1036-1BB40
3	10	15	15	40	50	40 ... 50				3RT1036-1BB40				3RT1036-1BB40
3	7 1/2	15	15	30	40	28 ... 40	<b>3RA12 4□-4FB44-□BB4</b> <b>3RA12 4□-4HB44-□BB4</b> <b>3RA12 4□-4JB44-□BB4</b> <b>3RA12 4□-4KB45-□BB4</b> <b>3RA12 4□-4LB46-□BB4</b> <b>3RA12 4□-4MB46-□BB4</b>		<b>S3</b>	3RV10 41-4FA10	3RT1044-1BB40		3RA1941-1BA00 + 3RA1943-1B <sup>4)</sup>	
5	10	15	20	40	50	36 ... 50				3RV10 41-4HA10				3RV10 41-4JA10
5	15	20	25	50	60	45 ... 63				3RV10 41-4KA10				3RV10 41-4LA10
7 1/2	15	25	25	60	75	57 ... 75				3RV10 41-4MA10				3RT1045-1BB40
10	20	30	30	75	–	70 ... 90				3RT1046-1BB40				3RT1046-1BB40
10	20	30	30	75	–	80 ... 100				3RT1046-1BB40				3RT1046-1BB40
Order No. suffix														
Standard unit without auxiliary contacts. ....							<b>0</b>	<b>0</b>						
1 SPDT NO/NC MSP auxiliary and 1 NO front mount contactor auxiliary. ....							<b>5</b>	<b>1</b>						

RH = Reversing duty for rail mounting.

1) For auxiliary switches, see accessories page 4/50.

2) Selection depends on motor full load amps.

Horsepower ratings for reference only.

3) Adapters for standard mounting rail are also suitable for screw mounting.

4) Mechanical interlock must be ordered separately; see accessories page 4/54.

# Combination Starters & Starters for Group Installation

## Reversing Fast Bus®, AC Coil

SIRIUS

3RA12  
up to 22 A

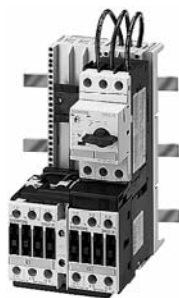


### Selection and ordering data

3RA12 10



3RA12 20



### Reversing duty




### Rated control supply voltage 120 V AC 60 Hz for 60 mm Fast Bus busbar systems

- All starters are suitable for use in Group Installation applications per NEC 430-53 (c)
- Motor starter protector and contactor are linked electrically and mechanically by means of a link module and mounted on a Fast-bus Shoe
- Starter includes both electrical and mechanical interlocks
- Auxiliary switches <sup>1)</sup> can be added easily to the MSP and the contactor

### Combination Starter, UL508 Type F

- Size S0 devices can be applied as Combination Starters with the addition of a 3RV1928-1H line side terminal kit

							FLA setting range Inverse-time delayed over-load release	Starter Order No.	List Price \$	Size	Consisting of the following individual devices			
Single-Phase HP Ratings		Three-Phase <sup>2)</sup> HP ratings					A				Motor starter protector	+2 Contactors	+	Link module + assembly kit RS
115V	230V	200V	230V	460V	575V									
<b>65 kA at 480 V</b>														
—	—	—	—	—	—	—	0.11 ... 0.16	<b>3RA12 1□-0AD15-□AK6</b>		<b>S00</b>	3RV10 11-0AA10	3RT10 15-1BB42	3RA1911-1AA00 + 3RA1913-1D <sup>3)</sup>	
—	—	—	—	—	—	—	0.14 ... 0.2	<b>3RA12 1□-0BD15-□AK6</b>			3RV10 11-0BA10			
—	—	—	—	—	—	—	0.18 ... 0.25	<b>3RA12 1□-0CD15-□AK6</b>			3RV10 11-0CA10			
—	—	—	—	—	—	—	0.22 ... 0.32	<b>3RA12 1□-0DD15-□AK6</b>			3RV10 11-0DA10			
—	—	—	—	—	—	—	0.28 ... 0.4	<b>3RA12 1□-0ED15-□AK6</b>			3RV10 11-0EA10			
—	—	—	—	—	—	—	0.35 ... 0.5	<b>3RA12 1□-0FD15-□AK6</b>			3RV10 11-0FA10			
—	—	—	—	—	1/4	1/4	0.45 ... 0.63	<b>3RA12 1□-0GD15-□AK6</b>			3RV10 11-0GA10			
—	—	—	—	1/4	1/2	1/2	0.55 ... 0.8	<b>3RA12 1□-0HD15-□AK6</b>			3RV10 11-0HA10			
—	—	—	—	1/2	1/2	1/2	0.7 ... 1	<b>3RA12 1□-0JD15-□AK6</b>			3RV10 11-0JA10			
—	—	—	1/4	3/4	3/4	3/4	0.9 ... 1.25	<b>3RA12 1□-0KD15-□AK6</b>			3RV10 11-0KA10			
—	1/10	1/4	1/3	3/4	1	1	1.1 ... 1.6	<b>3RA12 1□-1AD15-□AK6</b>			3RV10 11-1AA10	3RT10 16-1AK62		
—	1/8	1/3	1/2	1	1 1/2	1 1/2	1.4 ... 2	<b>3RA12 1□-1BD15-□AK6</b>			3RV10 11-1BA10			
—	1/6	1/2	1/2	1 1/2	1 1/2	1 1/2	1.8 ... 2.5	<b>3RA12 1□-1CD15-□AK6</b>			3RV10 11-1CA10			
1/10	1/4	3/4	3/4	1 1/2	2	2	2.2 ... 3.2	<b>3RA12 1□-1DD15-□AK6</b>			3RV10 11-1DA10			
1/8	1/3	3/4	1	2	3	3	2.8 ... 4	<b>3RA12 1□-1ED15-□AK6</b>			3RV10 11-1EA10			
1/6	1/2	1	1	3	3	3	3.5 ... 5	<b>3RA12 1□-1FD15-□AK6</b>			3RV10 11-1FA10			
1/4	3/4	1 1/2	1 1/2	5	5	5	4.5 ... 6.3	<b>3RA12 1□-1GD15-□AK6</b>			3RV10 11-1GA10			
1/3	1	2	2	5	5	5	5.5 ... 8	<b>3RA12 1□-1HD16-□AK6</b>			3RV10 11-1HA10			
—	—	—	—	—	—	—	0.11 ... 0.16	<b>3RA12 2□-0AD23-□AK6</b>		<b>S0</b>	3RV10 21-0AA10	3RT10 23-1BB40	3RA1921-1AA00 + 3RA1923-1D <sup>3)</sup>	
—	—	—	—	—	—	—	0.14 ... 0.2	<b>3RA12 2□-0BD23-□AK6</b>			3RV10 21-0BA10			
—	—	—	—	—	—	—	0.18 ... 0.25	<b>3RA12 2□-0CD23-□AK6</b>			3RV10 21-0CA10			
—	—	—	—	—	—	—	0.22 ... 0.32	<b>3RA12 2□-0DD23-□AK6</b>			3RV10 21-0DA10			
—	—	—	—	—	—	—	0.28 ... 0.4	<b>3RA12 2□-0ED23-□AK6</b>			3RV10 21-0EA10			
—	—	—	—	—	—	—	0.35 ... 0.5	<b>3RA12 2□-0FD23-□AK6</b>			3RV10 21-0FA10			
—	—	—	—	—	1/4	1/4	0.45 ... 0.63	<b>3RA12 2□-0GD23-□AK6</b>			3RV10 21-0GA10			
—	—	—	—	1/4	1/2	1/2	0.55 ... 0.8	<b>3RA12 2□-0HD23-□AK6</b>			3RV10 21-0HA10			
—	—	—	—	1/2	1/2	1/2	0.7 ... 1	<b>3RA12 2□-0JD23-□AK6</b>			3RV10 21-0JA10			
—	—	—	1/4	3/4	3/4	3/4	0.9 ... 1.25	<b>3RA12 2□-0KD23-□AK6</b>			3RV10 21-0KA10			
—	1/10	1/4	1/3	3/4	1	1	1.1 ... 1.6	<b>3RA12 2□-1AD23-□AK6</b>			3RV10 21-1AA10	3RT10 24-1AK60 3RT10 25-1AK60 3RT10 25-1AK60 3RT10 26-1AK60 3RT10 26-1AK60		
—	1/8	1/3	1/2	1	1 1/2	1 1/2	1.4 ... 2	<b>3RA12 2□-1BD23-□AK6</b>			3RV10 21-1BA10			
—	1/6	1/2	1/2	1 1/2	1 1/2	1 1/2	1.8 ... 2.5	<b>3RA12 2□-1CD23-□AK6</b>			3RV10 21-1CA10			
1/10	1/4	3/4	3/4	1 1/2	2	2	2.2 ... 3.2	<b>3RA12 2□-1DD23-□AK6</b>			3RV10 21-1DA10			
1/8	1/3	3/4	1	2	3	3	2.8 ... 4	<b>3RA12 2□-1ED23-□AK6</b>			3RV10 21-1EA10			
1/6	1/2	1	1	3	3	3	3.5 ... 5	<b>3RA12 2□-1FD23-□AK6</b>			3RV10 21-1FA10			
1/4	3/4	1 1/2	1 1/2	5	5	5	4.5 ... 6.3	<b>3RA12 2□-1GD23-□AK6</b>			3RV10 21-1GA10			
1/3	1	2	2	5	5	5	5.5 ... 8	<b>3RA12 2□-1HD23-□AK6</b>			3RV10 21-1HA10			
1/2	1 1/2	3	3	7 1/2	10	10	7 ... 10	<b>3RA12 2□-1JD24-□AK6</b>			3RV10 21-1JA10			
1/2	2	3	3	7 1/2	10	10	9 ... 12.5	<b>3RA12 2□-1KD25-□AK6</b>			3RV10 21-1KA10			
1	3	5	5	10	15	15	11 ... 16	<b>3RA12 2□-4AD25-□AK6</b>			3RV10 21-4AA10			
1 1/2	3	5	7 1/2	15	20	20	14 ... 20	<b>3RA12 2□-4BD26-□AK6</b>			3RV10 21-4BA10			
2	3	7 1/2	7 1/2	15	20	20	17 ... 22	<b>3RA12 2□-4CD26-□AK6</b>			3RV10 21-4CA10			

Order No. suffix  
Standard unit without auxiliary contacts. . . . .

0

0

1 SPDT NO/NC MSP auxiliary and 1 NO  
front mount contactor auxiliary. . . . .

5

1

RH = Reversing duty for rail mounting.

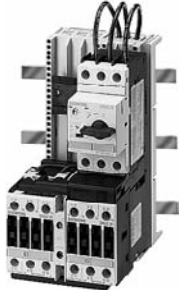
1) For auxiliary switches, see accessories page 4/50. 3) Mechanical interlock must be ordered separately; see

2) Selection depends on motor full load amps. Horse- accessories page 4/54.  
power ratings for reference only.



### Selection and ordering data

3RA12 20



#### Reversing duty




#### Rated control supply voltage 120 V AC 60 Hz for 60 mm Fast Bus busbar systems

- All starters are suitable for use in Group Installation applications per NEC 430-53 (c)
- Motor starter protector and contactor are linked electrically and mechanically by means of a link module and mounted on a Fast-bus Shoe
- Starter includes both electrical and mechanical interlocks
- Auxiliary switches <sup>1)</sup> can be added easily to the MSP and the contactor
- Size S3 is kit form only - assembly required

#### Combination Starter, UL508 Type F

- Size S2 devices can be applied as Combination Starters
- Size S3 devices can be applied as Combination Starters with the addition of a 3RT1946-4GA07 line side terminal kit

							FLA setting range Inverse-time delayed overload release	Starter Order No.	List Price \$	Size	Consisting of the following individual devices					
											Motor starter protector	+ Contactor	+	Link module + Adapter shoe for Fastbus		
Single-Phase HP Ratings		Three-Phase <sup>2)</sup> HP ratings														
115V	230V	200V	230V	460V	575V	A										
65 kA																
1	3	5	5	10	15	11 ... 16	3RA12 3□-4AD33-□AK6	S2	3RV10 31-4AA10	3RT1033-1AK60	3RA1931-1AA00 + 3RA1933-1D <sup>3)</sup>					
1 1/2	3	5	7 1/2	15	20	14 ... 20	3RA12 3□-4BD33-□AK6		3RV10 31-4BA10							
2	5	7 1/2	10	20	25	18 ... 25	3RA12 3□-4DD33-□AK6		3RV10 31-4DA10							
2	5	10	10	25	30	22 ... 32	3RA12 3□-4ED34-□AK6		3RV10 31-4EA10	3RT1034-1AK60						
3	7 1/2	10	15	30	40	28 ... 40	3RA12 3□-4FD35-□AK6		3RV10 31-4FA10	3RT1035-1AK60						
3	7 1/2	15	15	30	40	36 ... 45	3RA12 3□-4GD36-□AK6		3RV10 31-4GA10	3RT1036-1AK60						
3	10	15	15	40	50	40 ... 50	3RA12 3□-4HD36-□AK6	3RV10 31-4HA10	3RT1036-1AK60							
3	7 1/2	15	15	30	40	28 ... 40	3RA12 4□-4FD44-□AK6	S3	3RV10 41-4FA10	3RT1044-1AK60		3RA1941-1AA00 + 3RA1943-2A <sup>3)</sup>				
5	10	15	20	40	50	36 ... 50	3RA12 4□-4HD44-□AK6		3RV10 41-4HA10							
5	15	20	25	50	60	45 ... 63	3RA12 4□-4JD44-□AK6		3RV10 41-4JA10							
7 1/2	15	25	25	60	75	57 ... 75	3RA12 4□-4KD45-□AK6		3RV10 41-4KA10	3RT1045-1AK60						
10	20	30	30	75	–	70 ... 90	3RA12 4□-4LD46-□AK6		3RV10 41-4LA10	3RT1046-1AK60						
10	20	30	30	75	–	80 ... 100	3RA12 4□-4MD46-□AK6		3RV10 41-4MA10	3RT1046-1AK60						
Order No. suffix																
Standard unit without auxiliary contacts. ....							0	0								
1 SPDT NO/NC MSP auxiliary and 1 NO front mount contactor auxiliary. ....							5	1								

RH = Reversing duty for rail mounting.

1) For auxiliary switches, see accessories page 4/50. 3) Mechanical interlock must be ordered separately; see accessories page 4/54.

2) Selection depends on motor full load amps. Horse-power ratings for reference only.

# Combination Starters & Starters for Group Installation

## Reversing Fast Bus®, DC Coil

SIRIUS

3RA12  
up to 22 A



### Selection and ordering data

3RA12 10



3RA12 20



### Reversing duty




### Rated control supply voltage 24 V DC for 60 mm Fast Bus busbar systems

- All starters are suitable for use in Group Installation applications per NEC 430-53 (c)
- Motor starter protector and contactor are linked electrically and mechanically by means of a link module and mounted on a Fast-bus Shoe
- Starter includes both electrical and mechanical interlocks
- Auxiliary switches <sup>1)</sup> can be added easily to the MSP and the contactor

### Combination Starter, UL508 Type F

- Size S0 devices can be applied as Combination Starters with the addition of a 3RV1928-1H line side terminal kit

						FLA setting range inverse-time delayed overload release	Starter Order No.	List Price \$	Size	Consisting of the following individual devices					
Single-Phase HP Ratings		Three-Phase <sup>2)</sup> HP ratings								Motor starter protector	+2 Contactors	+	Link module + assembly kit RS		
115V	230V	200V	230V	460V	575V	A									
65 kA at 480 V															
-	-	-	-	-	-	0.11 ... 0.16	3RA12 1□-0AD15-□BB4		S00	3RV10 11-0AA10	3RT10 15-1BB42	3RA1911-1AA00 + 3RA1913-1D <sup>3)</sup>			
-	-	-	-	-	-	0.14 ... 0.2	3RA12 1□-0BD15-□BB4			3RV10 11-0BA10					
-	-	-	-	-	-	0.18 ... 0.25	3RA12 1□-0CD15-□BB4			3RV10 11-0CA10					
-	-	-	-	-	-	0.22 ... 0.32	3RA12 1□-0DD15-□BB4			3RV10 11-0DA10					
-	-	-	-	-	-	0.28 ... 0.4	3RA12 1□-0ED15-□BB4			3RV10 11-0EA10					
-	-	-	-	-	-	0.35 ... 0.5	3RA12 1□-0FD15-□BB4			3RV10 11-0FA10					
-	-	-	-	-	1/4	0.45 ... 0.63	3RA12 1□-0GD15-□BB4			3RV10 11-0GA10					
-	-	-	-	1/4	1/2	0.55 ... 0.8	3RA12 1□-0HD15-□BB4			3RV10 11-0HA10					
-	-	-	-	1/2	1/2	0.7 ... 1	3RA12 1□-0JD15-□BB4			3RV10 11-0JA10					
-	-	-	1/4	3/4	3/4	0.9 ... 1.25	3RA12 1□-0KD15-□BB4			3RV10 11-0KA10					
-	1/10	1/4	1/3	3/4	1	1.1 ... 1.6	3RA12 1□-1AD15-□BB4			3RV10 11-1AA10	3RT10 16-1BB42				
-	1/8	1/3	1/2	1	1 1/2	1.4 ... 2	3RA12 1□-1BD15-□BB4			3RV10 11-1BA10					
-	1/6	1/2	1/2	1 1/2	1 1/2	1.8 ... 2.5	3RA12 1□-1CD15-□BB4			3RV10 11-1CA10					
1/10	1/4	3/4	3/4	1 1/2	2	2.2 ... 3.2	3RA12 1□-1DD15-□BB4			3RV10 11-1DA10					
1/8	1/3	3/4	1	2	3	2.8 ... 4	3RA12 1□-1ED15-□BB4			3RV10 11-1EA10					
1/6	1/2	1	1	3	3	3.5 ... 5	3RA12 1□-1FD15-□BB4			3RV10 11-1FA10					
1/4	3/4	1 1/2	1 1/2	5	5	4.5 ... 6.3	3RA12 1□-1GD15-□BB4			3RV10 11-1GA10					
1/3	1	2	2	5	5	5.5 ... 8	3RA12 1□-1HD16-□BB4			3RV10 11-1HA10					
-	-	-	-	-	-	0.11 ... 0.16	3RA12 2□-0AD23-□BB4		S0	3RV10 21-0AA10	3RT10 23-1BB40	3RA1921-1BA00 + 3RA1923-1D <sup>3)</sup>			
-	-	-	-	-	-	0.14 ... 0.2	3RA12 2□-0BD23-□BB4			3RV10 21-0BA10					
-	-	-	-	-	-	0.18 ... 0.25	3RA12 2□-0CD23-□BB4			3RV10 21-0CA10					
-	-	-	-	-	-	0.22 ... 0.32	3RA12 2□-0DD23-□BB4			3RV10 21-0DA10					
-	-	-	-	-	-	0.28 ... 0.4	3RA12 2□-0ED23-□BB4			3RV10 21-0EA10					
-	-	-	-	-	-	0.35 ... 0.5	3RA12 2□-0FD23-□BB4			3RV10 21-0FA10					
-	-	-	-	-	1/4	0.45 ... 0.63	3RA12 2□-0GD23-□BB4			3RV10 21-0GA10					
-	-	-	-	1/4	1/2	0.55 ... 0.8	3RA12 2□-0HD23-□BB4			3RV10 21-0HA10					
-	-	-	-	1/2	1/2	0.7 ... 1	3RA12 2□-0JD23-□BB4			3RV10 21-0JA10					
-	-	-	1/4	3/4	3/4	0.9 ... 1.25	3RA12 2□-0KD23-□BB4			3RV10 21-0KA10					
-	1/10	1/4	1/3	3/4	1	1.1 ... 1.6	3RA12 2□-1AD23-□BB4			3RV10 21-1AA10	3RT10 24-1BB40				
-	1/8	1/3	1/2	1	1 1/2	1.4 ... 2	3RA12 2□-1BD23-□BB4			3RV10 21-1BA10					
-	1/6	1/2	1/2	1 1/2	1 1/2	1.8 ... 2.5	3RA12 2□-1CD23-□BB4			3RV10 21-1CA10					
1/10	1/4	3/4	3/4	1 1/2	2	2.2 ... 3.2	3RA12 2□-1DD23-□BB4			3RV10 21-1DA10					
1/8	1/3	3/4	1	2	3	2.8 ... 4	3RA12 2□-1ED23-□BB4			3RV10 21-1EA10					
1/6	1/2	1	1	3	3	3.5 ... 5	3RA12 2□-1FD23-□BB4			3RV10 21-1FA10					
1/4	3/4	1 1/2	1 1/2	5	5	4.5 ... 6.3	3RA12 2□-1GD23-□BB4			3RV10 21-1GA10					
1/3	1	2	2	5	5	5.5 ... 8	3RA12 2□-1HD23-□BB4			3RV10 21-1HA10					
1/2	1 1/2	3	3	7 1/2	10	7 ... 10	3RA12 2□-1JD24-□BB4			3RV10 21-1JA10					
1/2	2	3	3	7 1/2	10	9 ... 12.5	3RA12 2□-1KD25-□BB4			3RV10 21-1KA10					
1	3	5	5	10	15	11 ... 16	3RA12 2□-4AD25-□BB4			3RV10 21-4AA10	3RT10 25-1BB40				
1 1/2	3	5	7 1/2	15	20	14 ... 20	3RA12 2□-4BD26-□BB4			3RV10 21-4BA10	3RT10 26-1BB40				
2	3	7 1/2	7 1/2	15	20	17 ... 22	3RA12 2□-4CD26-□BB4			3RV10 21-4CA10	3RT10 26-1BB40				

Order No. suffix  
Standard unit without auxiliary contacts. ....

0 0

1 SPDT NO/NC MSP auxiliary and 1 NO  
front mount contactor auxiliary. ....

5 1

RH = Reversing duty for rail mounting.

1) For auxiliary switches, see accessories page 4/50. 3) Mechanical interlock must be ordered separately; see

2) Selection depends on motor full load amps. Horse- accessories page 4/54.  
power ratings for reference only.



## Selection and ordering data

3RA12 20




## Reversing duty

Rated control supply voltage 24 V DC  
for 60 mm Fast Bus busbar systems

- All starters are suitable for use in Group Installation applications per NEC 430-53 (c)
- Motor starter protector and contactor are linked electrically and mechanically by means of a link module and mounted on a Fast-bus Shoe
- Starter includes both electrical and mechanical interlocks
- Auxiliary switches <sup>1)</sup> can be added easily to the MSP and the contactor
- Size S3 is kit form only - assembly required

## Combination Starter, UL508 Type F

- Size S2 devices can be applied as Combination Starters
- Size S3 devices can be applied as Combination Starters with the addition of a 3RT1946-4GA07 line side terminal kit

						FLA setting range Inverse-time delayed overload release	Starter Order No.	List Price \$	Size	Consisting of the following individual devices			
									Motor starter protector	+2 Contactors	+	Link module + assembly kit RS	
Single-Phase HP Ratings		Three-Phase <sup>2)</sup> HP ratings											
115V	230V	200V	230V	460V	575V	A							
65 kA at 480 V													
1	3	5	5	10	15	11... 16	3RA12 3□-4AD33-□BB4	S2	3RV10 31-4AA10	3RT1033-1BB40	3RA1931-1BA00 + 3RA1933-1D <sup>3)</sup>		
1 1/2	3	5	7 1/2	15	20	14... 20	3RA12 3□-4BD33-□BB4		3RV10 31-4BA10				
2	5	7 1/2	10	20	25	18... 25	3RA12 3□-4DD33-□BB4		3RV10 31-4DA10				
2	5	10	10	25	30	22... 32	3RA12 3□-4ED34-□BB4		3RV10 31-4EA10				
3	7 1/2	10	15	30	40	28... 40	3RA12 3□-4FD35-□BB4		3RV10 31-4FA10				
3	7 1/2	15	15	30	40	36... 45	3RA12 3□-4GD36-□BB4	S3	3RV10 31-4GA10	3RT1036-1BB40	3RA1941-1BA00 + 3RA1943-2A <sup>3)</sup>		
3	10	15	15	40	50	40... 50	3RA12 3□-4HD36-□BB4		3RV10 31-4HA10	3RT1036-1BB40			
3	7 1/2	15	15	30	40	28... 40	3RA12 4□-4FD44-□BB4		3RV10 41-4FA10	3RT1044-1BB40			
5	10	15	20	40	50	36... 50	3RA12 4□-4HD44-□BB4		3RV10 41-4HA10				
5	15	20	25	50	60	45... 63	3RA12 4□-4JD44-□BB4		3RV10 41-4JA10				
7 1/2	15	25	25	60	75	57... 75	3RA12 4□-4KD45-□BB4	3RV10 41-4KA10	3RT1045-1BB40		3RA1941-1BA00 + 3RA1943-2A <sup>3)</sup>		
10	20	30	30	75	–	70 ... 90	3RA12 4□-4LD46-□BB4	3RV10 41-4LA10	3RT1046-1BB40				
10	20	30	30	75	–	80 ...100	3RA12 4□-4MD46-□BB4	3RV10 41-4MA10	3RT1046-1BB40				
Order No. suffix Standard unit without auxiliary contacts. . . . .							0	0					
1 SPDT NO/NC MSP auxiliary and 1 NO front mount contactor auxiliary. . . . .							5	1					

RH = Reversing duty for rail mounting.

1) For auxiliary switches, see accessories page 4/50. 3) Mechanical interlock must be ordered separately; see accessories page 4/54.

2) Selection depends on motor full load amps. Horse-power ratings for reference only.