




# Fastbus® Combination Starters

Selection

## SIRIUS 3RA12 Fastbus Reversing Combination Starters, DC Coil

SIRIUS 3R Assemblies	Ordering Information	Coil Voltage Codes												
 <p>3RA121      3RA122</p>	<ul style="list-style-type: none"> <li>▶ The MSP and contactor are linked both mechanically and electrically via the link module.</li> <li>▶ Class 10 overload trip characteristics.</li> <li>▶ Ambient temperature compensated up to 140° F.</li> <li>▶ Phase loss sensitivity.</li> <li>▶ Short circuit current ratings:Ⓣ</li> <li>▶ Contactors include mechanical interlock with control wiring.</li> <li>▶ Can be ordered with or without auxiliaries.</li> <li>▶ Accessories: MSP—see pages 275–279, contactor—see pages 238–245.</li> <li>▶ Technical Data: MSP—see pages 362–368, contactor—see pages 316–347.</li> <li>▶ Dimensions see pages 394–396.</li> <li>▶ Component List see pages 308–311.</li> </ul>	<table border="1"> <thead> <tr> <th>DC Volts</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>A4<sup>Ⓣ</sup></td> </tr> <tr> <td>24</td> <td>B4</td> </tr> <tr> <td>48</td> <td>W4</td> </tr> <tr> <td>110</td> <td>F4</td> </tr> <tr> <td>230</td> <td>P4</td> </tr> </tbody> </table> <p>Replace the ** in the assembly catalog number with a coil voltage code from the table above.</p>	DC Volts	Code	12	A4 <sup>Ⓣ</sup>	24	B4	48	W4	110	F4	230	P4
		DC Volts	Code											
12	A4 <sup>Ⓣ</sup>													
24	B4													
48	W4													
110	F4													
230	P4													

**Note:** Select assembly by Motor Full Load Amperes. Horsepower ratings are for reference only.

FLA Adjustment Range	Single-Phase HP Ratings		Three-Phase HP Ratings				SIRIUS 3R Catalog No with no auxiliaries	Price \$	SIRIUS 3R Catalog No with auxiliaries <sup>Ⓣ</sup>	Price \$
	115V	230V	200V	230V	460V	575V				
<b>101 Frame</b>										
0.11–0.16	—	—	—	—	—	—	3RA1210-0AD15-0B**	420.	3RA1215-0AD15-1B**	460.
0.14–0.2	—	—	—	—	—	—	3RA1210-0BD15-0B**	420.	3RA1215-0BD15-1B**	460.
0.18–0.25	—	—	—	—	—	—	3RA1210-0CD15-0B**	420.	3RA1215-0CD15-1B**	460.
0.22–0.32	—	—	—	—	—	—	3RA1210-0DD15-0B**	420.	3RA1215-0DD15-1B**	460.
0.28–0.4	—	—	—	—	—	—	3RA1210-0ED15-0B**	420.	3RA1215-0ED15-1B**	460.
0.35–0.5	—	—	—	—	—	—	3RA1210-0FD15-0B**	434.	3RA1215-0FD15-1B**	474.
0.45–0.63	—	—	—	—	—	—	3RA1210-0GD15-0B**	434.	3RA1215-0GD15-1B**	474.
0.55–0.8	—	—	—	—	1/4	—	3RA1210-0HD15-0B**	434.	3RA1215-0HD15-1B**	474.
0.7–1	—	—	—	—	1/2	—	3RA1210-0JD15-0B**	434.	3RA1215-0JD15-1B**	474.
0.9–1.25	—	—	—	1/4	3/4	—	3RA1210-0KD15-0B**	434.	3RA1215-0KD15-1B**	474.
1.1–1.6	—	1/10	1/4	1/2	3/4	—	3RA1210-1AD15-0B**	434.	3RA1215-1AD15-1B**	474.
1.4–2	—	1/8	1/3	1/2	1	—	3RA1210-1BD15-0B**	434.	3RA1215-1BD15-1B**	474.
1.8–2.5	—	1/6	1/2	1/2	1 1/2	—	3RA1210-1CD15-0B**	434.	3RA1215-1CD15-1B**	474.
2.2–3.2	1/10	1/4	3/4	3/4	1 1/2	—	3RA1210-1DD15-0B**	434.	3RA1215-1DD15-1B**	474.
2.8–4	1/8	1/3	3/4	1	2	—	3RA1210-1ED15-0B**	434.	3RA1215-1ED15-1B**	474.
3.5–5	1/6	1/2	1	1	3	—	3RA1210-1FD15-0B**	434.	3RA1215-1FD15-1B**	474.
4.5–6.3	1/4	3/4	1 1/2	1 1/2	5	—	3RA1210-1GD15-0B**	434.	3RA1215-1GD15-1B**	474.
5.5–8	1/3	1	2	2	5	—	3RA1210-1HD16-0B**	468.	3RA1215-1HD16-1B**	508.
<b>102 Frame</b>										
0.11–0.16	—	—	—	—	—	—	3RA1220-0AD23-0B**	555.	3RA1225-0AD23-1B**	595.
0.14–0.2	—	—	—	—	—	—	3RA1220-0BD23-0B**	555.	3RA1225-0BD23-1B**	595.
0.18–0.25	—	—	—	—	—	—	3RA1220-0CD23-0B**	555.	3RA1225-0CD23-1B**	595.
0.22–0.32	—	—	—	—	—	—	3RA1220-0DD23-0B**	555.	3RA1225-0DD23-1B**	595.
0.28–0.4	—	—	—	—	—	—	3RA1220-0ED23-0B**	555.	3RA1225-0ED23-1B**	595.
0.35–0.5	—	—	—	—	—	—	3RA1220-0FD23-0B**	569.	3RA1225-0FD23-1B**	609.
0.45–0.63	—	—	—	—	—	1/4	3RA1220-0GD23-0B**	569.	3RA1225-0GD23-1B**	609.
0.55–0.8	—	—	—	—	1/4	1/2	3RA1220-0HD23-0B**	569.	3RA1225-0HD23-1B**	609.
0.7–1	—	—	—	—	1/2	1/2	3RA1220-0JD23-0B**	569.	3RA1225-0JD23-1B**	609.
0.9–1.25	—	—	—	1/4	3/4	3/4	3RA1220-0KD23-0B**	569.	3RA1225-0KD23-1B**	609.
1.1–1.6	—	1/10	1/4	1/2	3/4	1	3RA1220-1AD23-0B**	569.	3RA1225-1AD23-1B**	609.
1.4–2	—	1/8	1/3	1/2	1	1 1/2	3RA1220-1BD23-0B**	569.	3RA1225-1BD23-1B**	609.
1.8–2.5	—	1/6	1/2	1/2	1 1/2	1 1/2	3RA1220-1CD23-0B**	569.	3RA1225-1CD23-1B**	609.
2.2–3.2	1/10	1/4	3/4	3/4	1 1/2	2	3RA1220-1DD23-0B**	569.	3RA1225-1DD23-1B**	609.
2.8–4	1/8	1/3	3/4	1	2	3	3RA1220-1ED23-0B**	569.	3RA1225-1ED23-1B**	609.
3.5–5	1/6	1/2	1	1	3	3	3RA1220-1FD23-0B**	569.	3RA1225-1FD23-1B**	609.
4.5–6.3	1/4	3/4	1 1/2	1 1/2	5	5	3RA1220-1GD23-0B**	569.	3RA1225-1GD23-1B**	609.
5.5–8	1/3	1	2	2	5	5	3RA1220-1HD23-0B**	569.	3RA1225-1HD23-1B**	609.
7–10	1/2	1 1/2	3	3	7 1/2	1	3RA1220-1JD24-0B**	619.	3RA1225-1JD24-1B**	659.
9–12.5	1/2	2	3	3	7 1/2	10	3RA1220-1KD25-0B**	678.	3RA1225-1KD25-1B**	718.
11–16	1	3	5	5	10	—	3RA1220-4AD25-0B**	678.	3RA1225-4AD25-1B**	718.
14–20	1 1/2	3	5	5	7 1/2	15	3RA1220-4BD26-0B**	718.	3RA1225-4BD26-1B**	758.
17–22	2	3	7 1/2	7 1/2	15	—	3RA1220-4CD26-0B**	718.	3RA1225-4CD26-1B**	758.

ⓉShort Circuit Ratings:  
**3RV101**—50kA @ 240V, 480Y/277V  
**3RV102**—50kA @ 240V, 480Y/277V  
 25kA @ 600Y/347V up to 12.5 A  
 All assemblies are UL Listed, CSA and CE approved.

ⓉFor 3RA121 DC assemblies only.  
 Ⓣ(1) SPDT NO/NC MSP auxiliary and (2) NO front mount contactor auxiliaries included. Auxiliaries are not installed or wired.

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IEC Control



# Fastbus® Combination Starters

Selection

## SIRIUS 3RA12 Fastbus Reversing Combination Starters, DC Coil

SIRIUS 3R Assemblies	Ordering Information	Coil Voltage Codes										
 <p>3RA123</p>	<ul style="list-style-type: none"> <li>▶ The MSP and contactor are linked both mechanically and electrically via the link module.</li> <li>▶ Class 10 overload trip characteristics.</li> <li>▶ Ambient temperature compensated up to 140° F.</li> <li>▶ Phase loss sensitivity.</li> <li>▶ Short circuit current ratings:①</li> <li>▶ Contactors include mechanical interlock with control wiring.</li> <li>▶ Can be ordered with or without auxiliaries.</li> <li>▶ Accessories: MSP—see pages 275–279, contactor—see pages 238–245.</li> <li>▶ Technical Data: MSP—see pages 362–368, contactor—see pages 316–347.</li> <li>▶ Dimensions see pages 394–396.</li> <li>▶ Component List see pages 308–311.</li> </ul>	<table border="1"> <thead> <tr> <th>DC Volts</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>B4</td> </tr> <tr> <td>48</td> <td>W4</td> </tr> <tr> <td>110</td> <td>F4</td> </tr> <tr> <td>230</td> <td>P4</td> </tr> </tbody> </table> <p>Replace the ** in the assembly catalog number with a coil voltage code from the table above.</p>	DC Volts	Code	24	B4	48	W4	110	F4	230	P4
		DC Volts	Code									
24	B4											
48	W4											
110	F4											
230	P4											

**Note:** Select assembly by Motor Full Load Amperes. Horsepower ratings are for reference only.

FLA Adjustment Range	Single-Phase HP Ratings		Three-Phase HP Ratings				SIRIUS 3R Catalog No with no auxiliaries	Price \$	SIRIUS 3R Catalog No with auxiliaries③	Price \$
	115V	230V	200V	230V	460V	575V				
<b>103 Frame</b>										
11–16	1	3	5	5	10	15	3RA1230-4AD33-0B**	985.	3RA1235-4AD33-1B**	1025.
14–20	1½	3	5	7½	15	20	3RA1230-4BD33-0B**	985.	3RA1235-4BD33-1B**	1025.
18–25	2	5	7½	10	20	25	3RA1230-4DD33-0B**	985.	3RA1235-4DD33-1B**	1025.
22–32	2	5	10	10	25	30	3RA1230-4ED34-0B**	1035.	3RA1235-4ED34-1B**	1075.
28–40	3	7½	10	15	30	40	3RA1230-4FD35-0B**	1121.	3RA1235-4FD35-1B**	1161.
36–45	3	7½	15	15	30	40	3RA1230-4GD36-0B**	1151.	3RA1235-4GD36-1B**	1191.
40–50	3	10	15	15	40	50	3RA1230-4HD36-0B**	1151.	3RA1235-4HD36-1B**	1191.
<b>104 Frame ****In Kit Form Only—Assembly Required****</b>										
28–40	3	7½	15	15	30	40	3RA1240-4FD44-0B**	1345.	3RA1245-4FD44-1B**	1385.
36–50	5	10	15	20	40	50	3RA1240-4HD44-0B**	1345.	3RA1245-4HD44-1B**	1385.
45–63	5	15	20	25	50	60	3RA1240-4JD44-0B**	1345.	3RA1245-4JD44-1B**	1385.
57–75	7½	15	25	25	60	75	3RA1240-4KD45-0B**	1443.	3RA1245-4KD45-1B**	1483.
70–90	10	20	30	30	75	①	3RA1240-4LD46-0B**	1766.	3RA1245-4LD46-1B**	1806.
80–100②	10	20	30	30	75	①	3RA1240-4MD46-0B**	1816.	3RA1245-4MD46-1B**	1856.

①Short Circuit Ratings:  
**3RV103**—50kA @ 240V, 480Y/277V  
 25kA @ 600Y/347V  
**3RV104**—50kA @ 240V, 480Y/277V  
 30kA @ 600Y/347V up to 75 A

All assemblies are UL Listed, CSA and CE approved.

②Maximum motor current is 95A.

③(1) SPDT NO/NC MSP auxiliary and (2) NO front mount contactor auxiliaries included. Auxiliaries are not installed or wired.