

Contactor Assemblies

3RA23, 3RA13, 3RA24, 3RA14 Contactor Assemblies

SIRIUS 3RA24 contactor assemblies
for wye-delta starting

Overview

Screw terminals

Rated data at 50 Hz 400 V AC			Size	Order No.		Complete combinations
Rating kW	Operational current I_e A	Motor current A		Line/delta contactor	Star contactor	
5.5	12	9.5 ... 13.8	S00-S00-S00	3RT20 15-1....	3RT20 15-1....	3RA24 15-8XF31-1...
7.5	16	12.1 ... 17		3RT20 17-1....	3RT20 15-1....	3RA24 16-8XF31-1...
11	25	19 ... 25		3RT20 18-1....	3RT20 16-1....	3RA24 17-8XF31-1...
11	25	19 ... 25	S0-S0-S0	3RT20 24-1...0	3RT20 24-1...0	3RA24 23-8XF32-1...
15	32	24.1 ... 34		3RT20 26-1...0	3RT20 24-1...0	3RA24 25-8XF32-1...
18.5	40	34.5 ... 40		3RT20 26-1...0	3RT20 24-1...0	3RA24 25-8XF32-1...
22	50	31 ... 43		3RT20 27-1...0	3RT20 26-1...0	3RA24 26-8XF32-1...

Spring-type terminals

Rated data at 50 Hz 400 V AC			Size	Order No.		Complete combinations
Rating kW	Operational current I_e A	Motor current A		Line/delta contactor	Star contactor	
5.5	12	9.5 ... 13.8	S00-S00-S00	3RT20 15-2....	3RT20 15-2....	3RA24 15-8XF31-2...
7.5	16	12.1 ... 17		3RT20 17-2....	3RT20 15-2....	3RA24 16-8XF31-2...
11	25	19 ... 25		3RT20 18-2....	3RT20 16-2....	3RA24 17-8XF31-2...
11	25	19 ... 25	S0-S0-S0	3RT20 24-2...0	3RT20 24-2...0	3RA24 23-8XF32-2...
15	32	24.1 ... 34		3RT20 26-2...0	3RT20 24-2...0	3RA24 25-8XF32-2...
18.5	40	34.5 ... 40		3RT20 26-2...0	3RT20 24-2...0	3RA24 25-8XF32-2...
22	50	31 ... 43		3RT20 27-2...0	3RT20 26-2...0	3RA24 26-8XF32-2...

Note:

The selection of contactor types refers to fused design.

Screw terminals

Rating kW	Accessories for customer assembly		Overload relay, thermal (CLASS 10 trip class)		Overload relay, solid-state (CLASS 10 trip class)	
	Function modules for wye-delta starting	Assembly kit B, for single infeed	Setting range	Order No.	Setting range	Order No.
5.5	3RA28 16-0EW20	3RA29 13-2BB1 ¹⁾	5.5 ... 8	3RU21 16-1HB0	4 ... 16	3RB30 16-1TB0
7.5			7 ... 10	3RU21 16-1JB0		
11			11 ... 16	3RU21 16-4AB0		
11	3RA28 16-0EW20	3RA29 23-2BB1 ²⁾	11 ... 16	3RU21 26-4AB0	6 ... 25	3RB30 26-1QB0
15			14 ... 20	3RU21 26-4BB0		
18.5			20 ... 25	3RU21 26-4DB0		
22			20 ... 25	3RU21 26-4DB0		

Spring-type terminals

Rating kW	Accessories for customer assembly		Overload relay, thermal (CLASS 10 trip class)		Overload relay, solid-state (CLASS 10 trip class)	
	Function modules for wye-delta starting	Assembly kit B, for single infeed	Setting range	Order No.	Setting range	Order No.
5.5	3RA28 16-0EW20	3RA29 13-2BB2 ¹⁾	5.5 ... 8	3RU21 16-1HC0	4 ... 16	3RB30 16-1TE0
7.5			7 ... 10	3RU21 16-1JC0		
11			11 ... 16	3RU21 16-4AC0		
11	3RA28 16-0EW20	3RA29 23-2BB2 ²⁾	11 ... 16	3RU21 26-4AC0	6 ... 25	3RB30 26-1QE0
15			14 ... 20	3RU21 26-4BC0		
18.5			20 ... 25	3RU21 26-4DC0		
22			20 ... 25	3RU21 26-4DC0		

¹⁾ The assembly kit contains: mechanical interlock, 4 connecting clips; wiring modules on the top (connection between line and delta contactor) and on the bottom (connection between delta and star contactor); star jumper and auxiliary circuit wiring.

²⁾ The assembly kit contains: mechanical interlock, 4 connecting clips; wiring modules on the top (connection between line and delta contactor) and on the bottom (connection between delta and star contactor); star jumper.

Order No. scheme

Digit of the Order No.	1st - 3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th				
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
SIRIUS contactor assemblies	3 R A																	
2nd generation	2																	
Device type (e.g. 4 = contactor assembly for wye-delta starting)	4																	
Contactor size (1 = S00, 2 = S0)	<input type="checkbox"/>																	
Power dependent on size (e.g. 25 = 15 kW)	<input type="checkbox"/>																	
Type of overload relay (8X = without)	<input type="checkbox"/> <input type="checkbox"/>																	
Assembly (B = ready-assembled, E, H = ready-assembled with communication)	<input type="checkbox"/>																	
Interlock (3 = mechanical and electrical)	<input type="checkbox"/>																	
Free auxiliary switches (e.g. S00: 1 = 3 NO total, S0: 2 = 3 NO + 3 NC in total)	<input type="checkbox"/>																	
Connection type (1 = screw, 2 = spring)	<input type="checkbox"/>																	
Operating range / solenoid coil circuit (e.g. A = AC standard / without)	<input type="checkbox"/>																	
Rated control supply voltage (e.g. L2 = 230 V, 50/60 Hz)	<input type="checkbox"/> <input type="checkbox"/>																	
Example	3	R	A	2	4	2	5	-	8	X	F	3	2	-	1	A	L	2

Note:

The Order No. scheme is presented here merely for information purposes and for better understanding of the logic behind the order numbers.

For your orders, please use the order numbers quoted in the catalog in the Selection and ordering data.