

Contactor Assemblies

3RA13, 3RA14 Contactor Assemblies

SIRIUS 3RA13 reversing contactor assemblies

Overview

The 3RA13 reversing contactor assemblies can be ordered as follows:

Sizes S00 to S3

- Fully wired and tested, with mechanical and electrical interlock
- As individual parts for customer assembly

Sizes S6 to S12

- Only as individual parts for customer assembly

There is also a range of accessories (auxiliary switch blocks, surge suppressors, etc.) that must be ordered separately.

For overload relays for motor protection, see Chapter 7, "Protection Equipment" → "Overload Relays".

The 3RA13 contactor assemblies have screw terminals. Sizes S00 to S3 are suitable for screw and snap-on mounting onto TH 35 standard mounting rails.

For assemblies with AC operation and 50/60 Hz, a dead interval of 50 ms must be provided when used with voltages ≥ 500 V; a dead interval of 30 ms is recommended for use with voltages ≥ 400 V. These dead times do not apply to assemblies with DC operation.

The operating times of the individual contactors are not affected by the mechanical interlock.

Complete units

The fully wired reversing contactor assemblies are suitable for use in any climate. They are finger-safe according to EN 50274.

The contactor assemblies consist of 2 contactors with the same power, with one NC contact in the basic unit. The contactors are mechanically and electrically interlocked (NC contact interlock).

For motor protection, either 3RU11 or 3RB2. overload relays for direct mounting or stand-alone installation or thermistor motor protection tripping units must be ordered separately.

Components for customer assembly

Assembly kits for all sizes are available for customer assembly of reversing contactor assemblies.

Contactors, overload relays, the mechanical interlock (from size S2) and – for momentary-contact operation – auxiliary switch blocks for latching must be ordered separately.

See also the configuration manual "SIRIUS Configuration":

<https://support.industry.siemens.com/cs/ww/en/view/40625241>

Rated data AC-2 and AC-3 for 50 Hz 400 V AC		Size	Type				Assembly kit	Fully wired and tested contactor assemblies
Rating kW	Operational current I_e A		Contactor	Mechanical interlock ¹⁾	Mechanical interlock ²⁾	Mechanical interlock ³⁾		
3	7	S00	3RT1015	-- ⁴⁾	--	--	3RA1913-2A ⁵⁾	3RA1315-8XB30-1 ..
4	9		3RT1016					3RA1316-8XB30-1 ..
5.5	12		3RT1017					3RA1317-8XB30-1 ..
5.5	12	S0	3RT1024	3RA1924-1A	3RA1924-2B	--	3RA1923-2A ⁶⁾	3RA1324-8XB30-1 ..
7.5	17		3RT1025					3RA1325-8XB30-1 ..
11	25		3RT1026					3RA1326-8XB30-1 ..
15	32	S2	3RT1034	3RA1924-1A	3RA1924-2B	--	3RA1933-2A ⁷⁾	3RA1334-8XB30-1 ...
18.5	40		3RT1035					3RA1335-8XB30-1 ...
22	50		3RT1036					3RA1336-8XB30-1 ...
30	65	S3	3RT1044	3RA1924-1A	3RA1924-2B	--	3RA1943-2A ⁷⁾	3RA1344-8XB30-1 ...
37	80		3RT1045					3RA1345-8XB30-1 ...
45	95		3RT1046					3RA1346-8XB30-1 ...
55	115	S6	3RT1054	--	--	3RA1954-2A	3RA1953-2M ⁸⁾	--
75	150		3RT1055					
90	185		3RT1056					
110	225	S10	3RT1064	--	--	3RA1954-2A	3RA1963-2A ⁸⁾	--
132	265		3RT1065					
160	300		3RT1066					
200	400	S12	3RT1075	--	--	3RA1954-2A	3RA1973-2A ⁸⁾	--
250	500		3RT1076					

¹⁾ Can be mounted onto the front.

²⁾ Laterally mountable with one auxiliary contact.

³⁾ Laterally mountable without auxiliary contact.

⁴⁾ Interlock can only be ordered with assembly kit.

⁵⁾ Assembly kit contains: mechanical interlock; connecting clips for 2 contactors; wiring modules on the top and bottom.

⁶⁾ Assembly kit contains: wiring modules on the top and bottom.

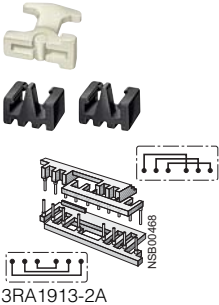
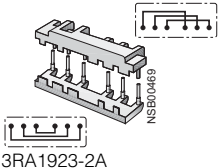
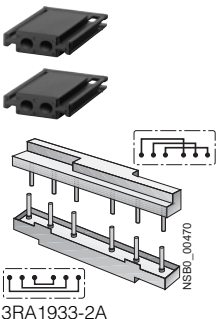
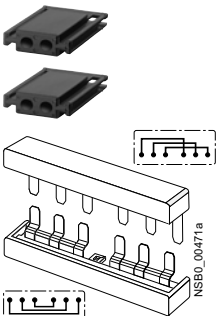
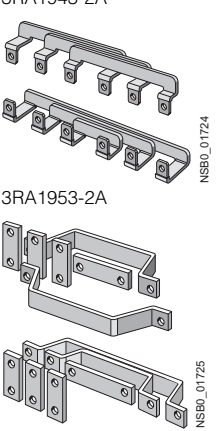
⁷⁾ Assembly kit contains: 2 connecting clips for contactors; wiring modules on the top and bottom.

⁸⁾ Assembly kit contains: wiring module on the top and bottom.

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For contactors	Size	Version	DT	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG						
Type														
Assembly kits for making 3-pole contactor assemblies														
 3RA1913-2A	3RT101	S00	The assembly kit contains: mechanical interlock, 2 connecting clips for 2 contactors wiring modules on the top and bottom	▶	3RA1913-2A	1	1 unit	41B						
	 3RA1923-2A	3RT102	S0	The assembly kit contains: wiring modules on the top and bottom		▶	3RA1923-2A	1	1 unit	41B				
		 3RA1933-2A	3RT103	S2		The assembly kit contains: 2 connecting clips for 2 contactors wiring modules on the top and bottom		▶	3RA1933-2A	1	1 unit	41B		
			 3RA1943-2A	3RT104		S3		The assembly kit contains: 2 connecting clips for 2 contactors wiring modules on the top and bottom		▶	3RA1943-2A	1	1 unit	41B
				3RT105		S6		The assembly kit contains: wiring modules on the top and bottom (for connection with box terminal)		A		3RA1953-2A	1	1 unit
 3RA1953-2M	3RT105	S6	The assembly kit contains: wiring modules on the top and bottom (for connection with box terminal)	A	3RA1953-2M	1	1 unit	41B						
	3RT1.6	S10		A		3RA1963-2A	1	1 unit	41B					
	3RT1.7	S12		A		3RA1973-2A	1	1 unit	41B					