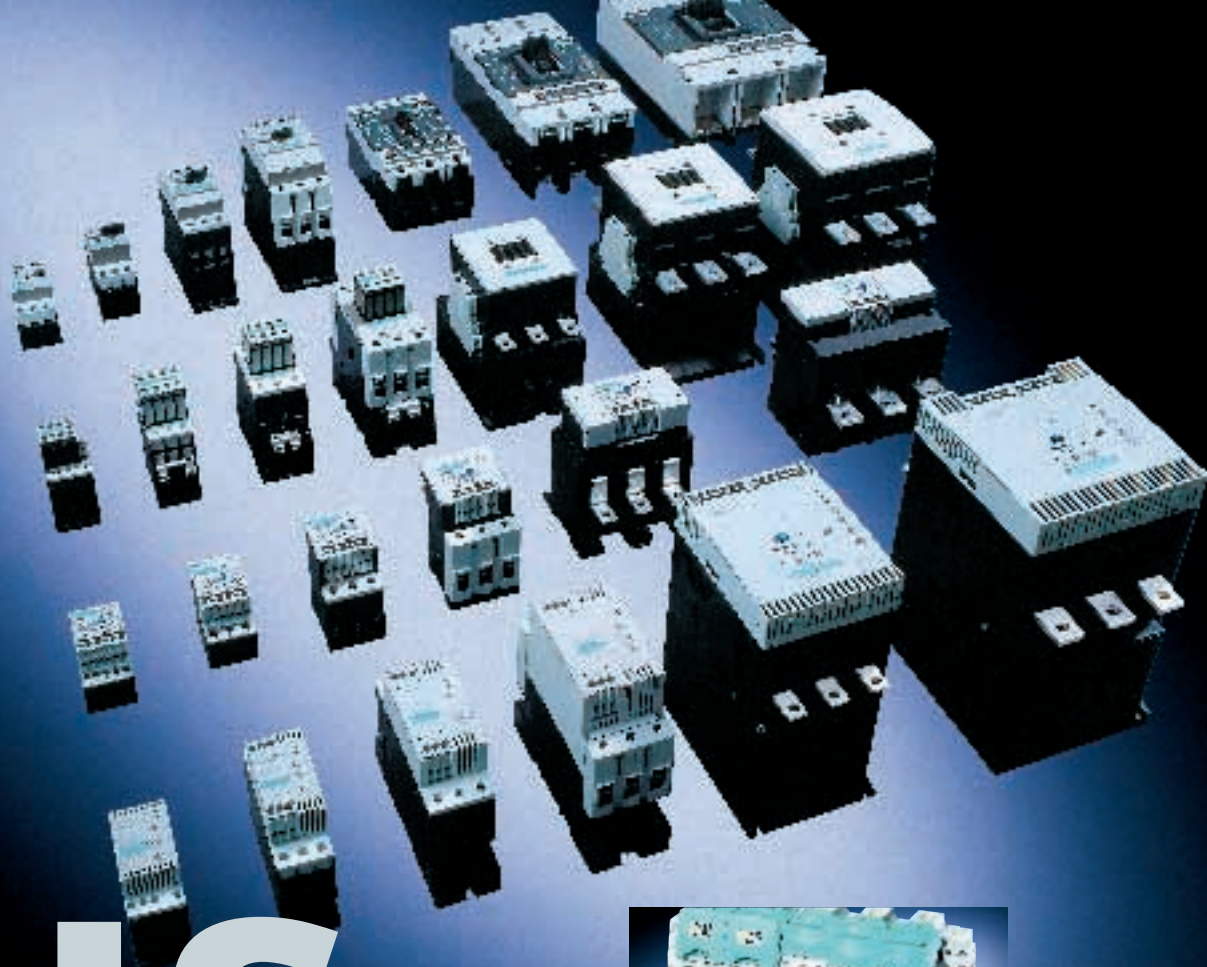


**System-based switching,
protecting, starting.**
SIRIUS Modular System.

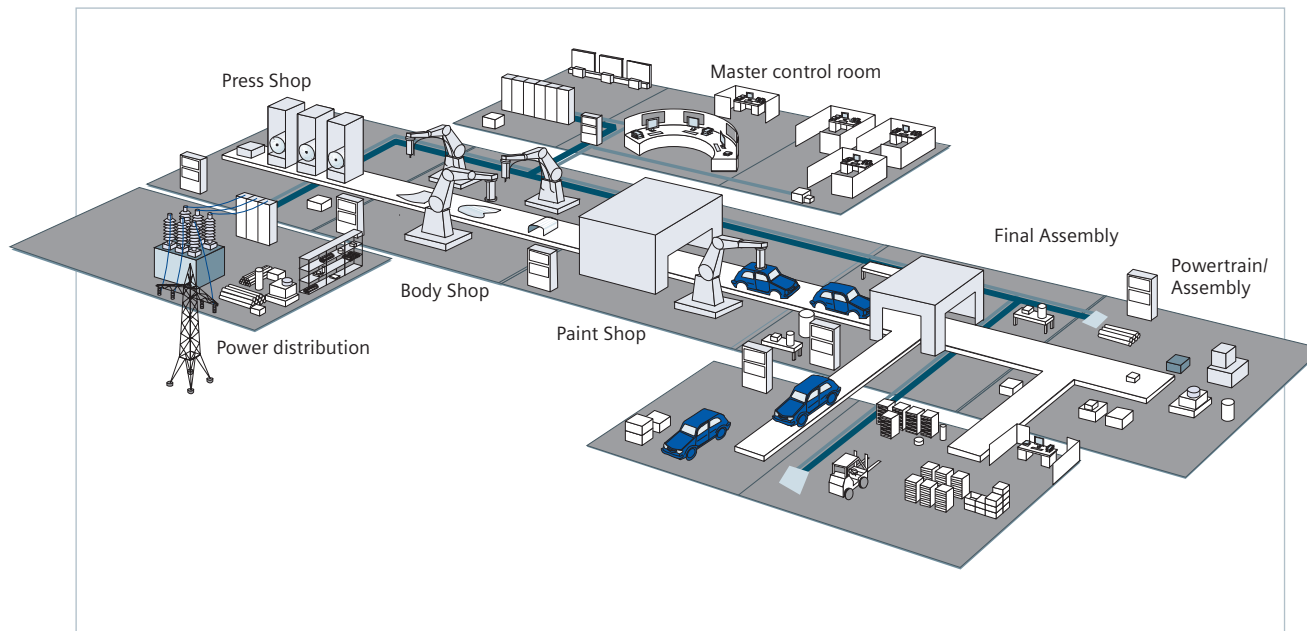


sirius



SIEMENS

Everything for the electrical cabinet: **SIRIUS Modular System.**



Pressing, equipping, transporting. These functions run in many automated production environments. You'll find everything that you need to switch, protect and start motors with the extensive portfolio of the modular SIRIUS system.

Everything. Easy. SIRIUS.



Contents

S00 structure

S00 selection and ordering data:

Circuit breakers, contactors, soft starters, overload relays

S0 structure

S0 selection and ordering data:

Circuit breakers, contactors, soft starters, overload relays

S2 structure

S2 selection and ordering data:

Circuit breakers, contactors, soft starters, overload relays

S3 structure

S3 selection and ordering data:

Circuit breakers, contactors, soft starters, overload relays

S6, S10, S12 structure

S6, S10, S12 selection and ordering data:

Contactors, overload relays, soft starters

Fuseless load feeders

Infeed system

**Reversing combinations
up to 45 kW**

**Star-delta combinations
up to 75 kW**

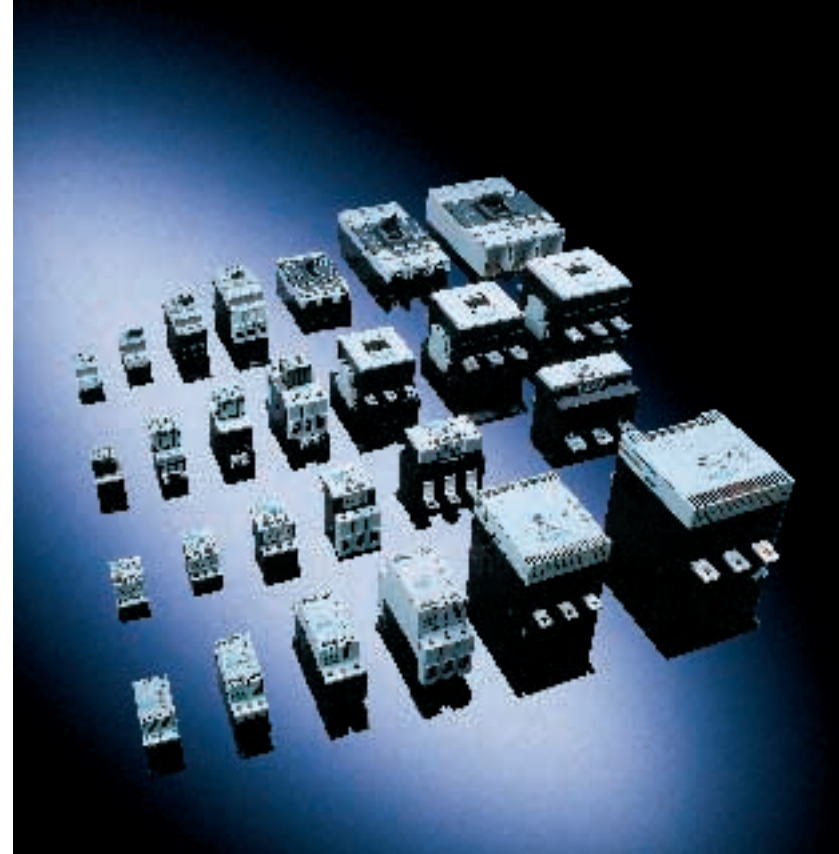
Safety-related load feeders

Accessories

Everything. System-based. SIRIUS Modular System.

When configuring electrical cabinets everything must proceed quickly, simply, flexibly using minimum space. How can all of this be done? With our unique modular system. This offers you everything that you need to switch, protect and start motors and plants. This means a modular range of standard components up to 250 kW/400 V in just 7 sizes. All of the components are optimally harmonized with one another and can be combined easily. They also use the same range of accessories. Industrial controls really can be this simple!

Ongoing development and continuous innovation ensure that our customers – today and tomorrow – are best equipped with SIRIUS, and profit from cost-effective solutions. All of the components of the SIRIUS modular system distinguish themselves due to their space-saving design and high degree of flexibility. Engineering, mounting & installation, wiring and maintenance can be simply implemented and in a time-saving fashion. It doesn't make any difference if you wish to configure your load feeders with circuit breakers or overload relays, contactors or soft starters – SIRIUS always has the optimum product for your particular application.

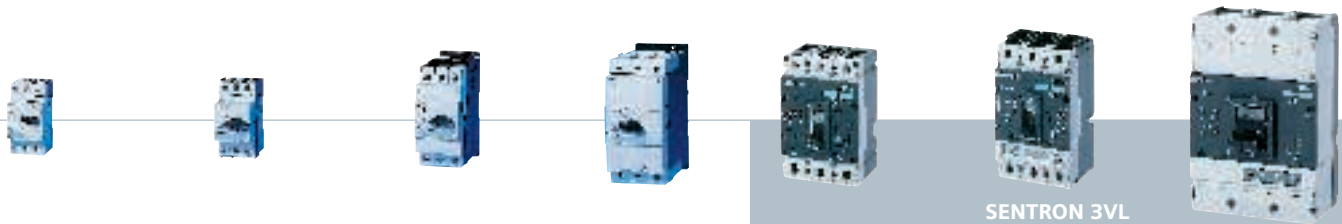


The advantages of the SIRIUS modular system at a glance

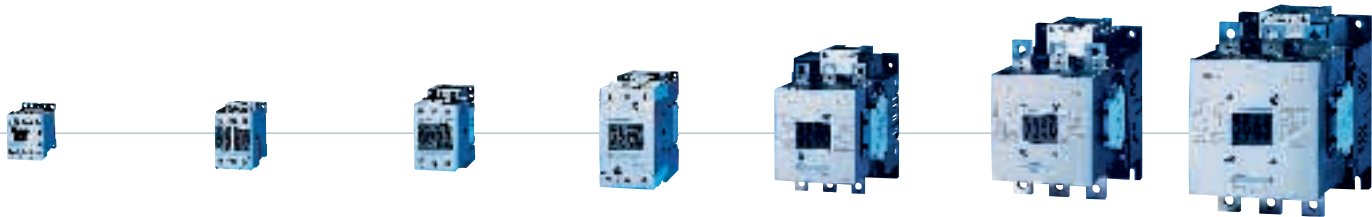
Load feeders	Up to 250 kW/400 V – can be simply realized using standard device
Modular design	Everything fits together and can be combined as necessary
Versions and sizes	Cost-effective and flexible with 7 compact sizes
Accessories	Optimum degree of variance using standard accessories for all devices
Design	Fast commissioning, short equipping times, simple wiring
Communication	Can be connected to AS-Interface and PROFIBUS DP
Service/maintenance	Extremely long service life, reliable and low maintenance
Approvals	Approved and certified worldwide – e.g. IEC, UL, CSA, CCC, marine engineering
Mounting	Screwed or snapped-on for permanent, safe and reliable mounting
Spring-loaded terminals	Fast, safe reliable connection, vibration-proof and maintenance-free
Service	Short delivery times include spare parts due to the global logistical network
Environmental issues	Environmentally-compatible production and materials, can be recycled, low power loss
Design	Clear, ergonomic and has received the iF Product Design Award

An overview of the
SIRIUS Modular System.

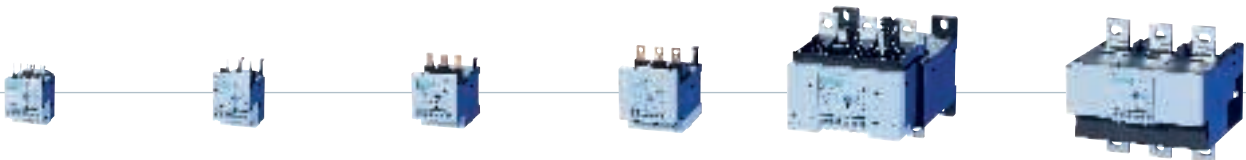
Circuit breakers



Contactors



Overload relays



Soft starters



S00

S0

S2

S3

S6

S10

S12

Switching. Protecting. Starting.

The components of the SIRIUS Modular System.



Far more than ON/OFF: SIRIUS 3RV circuit breakers

SIRIUS 3RV circuit breakers (MSP) are compact, current-limiting circuit breakers. They guarantee safe reliable shutdown when short circuits occur and protect loads and plants against overload. Furthermore, they are suitable for operationally switching load feeders with a low operating frequency and safely disconnecting the plant or system from the line supply when service is being carried out or changes are being made. SENTRON 3VL circuit breakers are suitable for applications above 100 A. As infeed and load feeder breaker, they protect plants and motors against short circuit and overload.



Rugged and reliable: SIRIUS 3RT contactors

Due to their extremely high ruggedness and optimum contact reliability, our contactors switch with supreme confidence. Furthermore, compact electrical cabinets can be configured with high packing densities. The reason for this is that the auxiliary switch blocks and solenoid protective circuitry are located within the envelope contours of the contactors. This makes it easier to expand the system and saves considerable space in the electrical cabinet.



Tripping when things get tough: SIRIUS 3RU and 3RB overload relays

The overload relays of the SIRIUS family, available as either thermal or solid-state versions, protect loads connected to the main circuit, as a function of the current, and also protect other switching and protective devices in the particular load feeder. The SIRIUS 3RB2 solid-state overload relays guarantee seamless motor and plant



Soft starting and stopping: SIRIUS 3RW soft starters

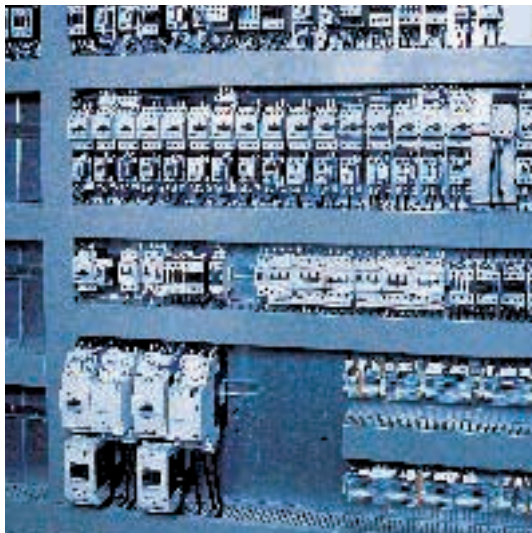
SIRIUS 3RW soft starters offer a seamless range that covers all standard and high-feature motor starting applications. Today, it can be used in the widest range of applications to provide the advantages of soft starting and stopping and for simple, cost-effective implementation of machine concepts.



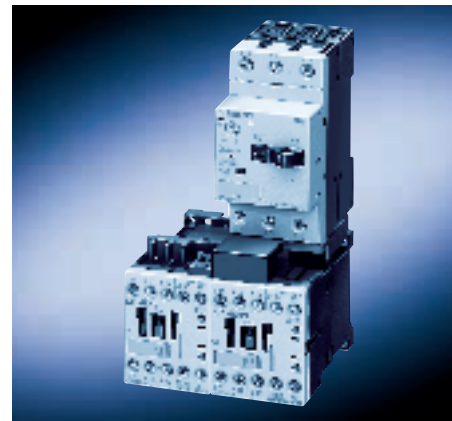
Fast, reliable and user-friendly: spring-loaded technology

You will have a completely new experience with state-of-the-art spring-loaded technology as it relates to simplicity and speed. These screwless terminals reduce connection times by up to 75%, and eliminate wiring mistakes. They can stand up to the toughest conditions due to the vibration and shockproof design. And they are virtually maintenance-free. It is no surprise that we are already using innovative spring-loaded technology for most of the SIRIUS modular system.

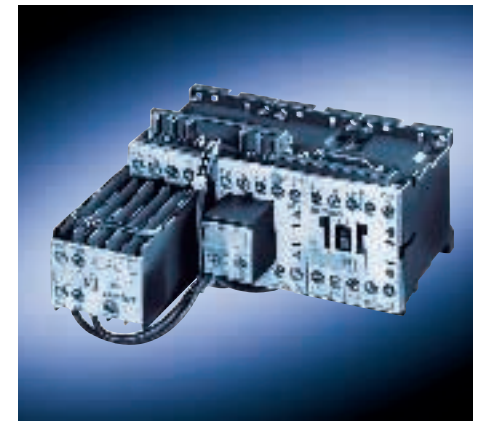
More about the **SIRIUS Modular System.**



Straight ahead: The 3RA11 direct starter



Phases interchanged: The 3RA12 reversing starter

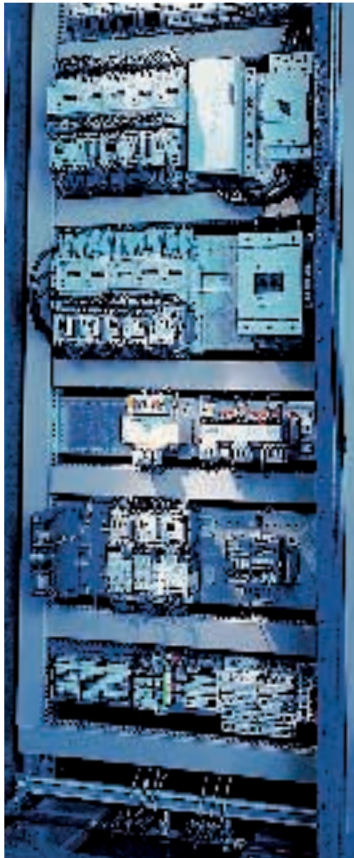


Two stages – one start:
The 3RA14 star-delta combination

Ready for immediate use: Pre-wired SIRIUS load feeders

Load feeders start loads using a combination of protective and switching functions. Generally, a multiple number of components is required to implement every type of starter. In order to reduce time and costs – and especially to minimize downtimes – we offer you a wide range of pre-wired starter solutions:

- Direct starters up to 22 kW – the optimum starter combination for all motors
- Reversing starters up to 11 kW – the matching combination for reversing motors
- Star-delta combinations up to 75 kW – the solution for running-up motors in stages
- Soft starters – when soft starting and stopping is required
- Safe 3RA71 load feeders – pre-mounted, wired and certified for the highest safety categories. Real stars that reduce time and wiring mistakes



User-friendly power infeed and distribution: SIRIUS infeed system

The SIRIUS infeed system allows power to be fed and distributed to a group of several circuit-breakers or complete load feeders in a user-friendly fashion. These devices belong to the modular SIRIUS system and are available with spring-loaded terminals for power ratings up to 5.5 kW at 400 V AC.

If you prefer devices with classic screw terminals, then circuit-breakers and contactors are even available up to sizes S00 and S0. This means that the SIRIUS infeed system can be used for all motor feeders up to 11 kW. Using a terminal block, in addition to the SIRIUS circuit-breakers, additional 1/2/3-pole components – such as relays and miniature circuit-breakers – can be integrated.

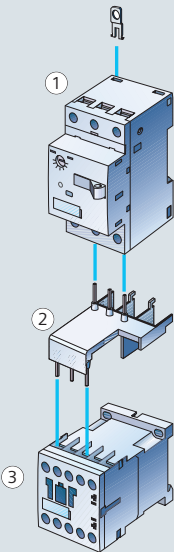
Design highlights

- New degree of flexibility when configuring and extending the system
- Integration of motor feeders with screw and spring-loaded terminals possible
- Maximum current rating of 80 A
- Additional 1-, 2- or 3-pole components can be additionally integrated using the terminal block
- Either infeed from the left or right up to conductor cross-sections of 25 mm²
- Mounting time savings by using simple plug-in connections
- More free space in the control cabinet as a result of the extremely compact design
- High vibration strength, especially for controls with spring-loaded terminals
- Optional wiring duct between feeders



S00 design

Direct start



	Version	Order No.
① Size S00 circuit breaker	AC	3RA19 11-1AA00
② Link module		
③ Size S00 contactor		

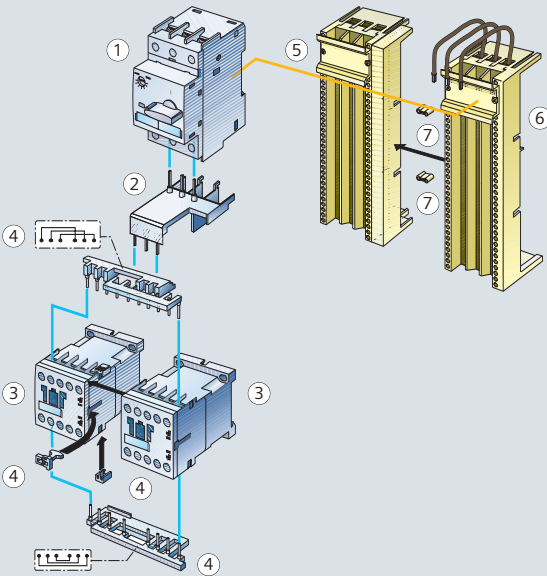
For busbar mounting (alternative)

Busbar adapter	40 mm	8US10 51-5DM07
	60 mm	8US12 51-5DM07

For rail mounting (diagram)

Directly snapped onto a mounting rail without adapter

Reversing start



Assembly kit
for busbar mounting
40 mm: 3RA19 13-1C
60 mm: 3RA19 13-1D
comprising:
1 wiring kit ④
1 busbar adapter ⑥
1 controlgear support ⑤
2 link wedges ⑦

	Version	Order No.
① Size S00 circuit breaker		3RA19 11-1AA00
② Connector		
③ 2, Size S00 contactors		
④ Wiring kit: upper link module, lower link module, 2 connecting clips, mechanical interlock (these can be eliminated)		3RA19 13-2A

For busbar mounting (diagram)

⑤ Controlgear support	40 mm	8US10 50-5AM00
	60 mm	8US12 50-5AM00
⑥ Busbar adapter	40 mm	8US10 51-5DM07
	60 mm	8US12 51-5DM07
⑦ Link wedges (1 Order No. = 100 wedges)		8US19 98-1AA00

For rail mounting (alternative)

Directly snapped onto mounting rails without adapter

S00 selection and ordering data



- 1) For rated device operating voltage
Ve: 200–460 V (Ve: 460–575 V refer to Catalog)
- 2) When using tripping class CLASS 20 refer to the information in the engineering support
“Engineering SIRIUS fuseless load feeders” and also in the Catalog

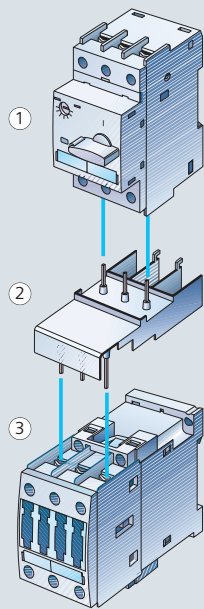
3-phase motor AC-3/400 V		Circuit breakers (MSP)		Contactors		Soft starters			Overload relays					
		Setting range CLASS 10 [A]	Order No.	Control supply voltage	Aux- iliary switches	Order No.	Control supply voltage	Rated operat- ing current ^{1) I_e}	Order No.	Setting range CLASS 10 [A]	Thermal Order No.	Setting range [A]	Solid-state Order No.	
[kW]	[A]													
0.04	0.14	0.11 – 0.16	3RV10 11-0AA10						0.11 – 0.16	3RU11 16-0AB0	0,1 – 0,4	3RB2□1□-□RB0		
0.06	0.2	0.14 – 0.2	3RV10 11-0BA10						0.14 – 0.2	3RU11 16-0BB0				
0.06	0.2	0.18 – 0.25	3RV10 11-0CA10						0.18 – 0.25	3RU11 16-0CB0				
0.09	0.3	0.22 – 0.32	3RV10 11-0DA10						0.22 – 0.32	3RU11 16-0DB0				
0.09	0.3	0.28 – 0.4	3RV10 11-0EA10						0.28 – 0.4	3RU11 16-0EB0				
0.12	0.4	0.35 – 0.5	3RV10 11-0FA10						0.35 – 0.5	3RU11 16-0FB0	0,32 – 1,25	3RB2□1□-□NB0		
0.18	0.6	0.45 – 0.63	3RV10 11-0GA10						0.45 – 0.63	3RU11 16-0GB0				
0.18	0.6	0.55 – 0.8	3RV10 11-0HA10						0.55 – 0.8	3RU11 16-0HB0				
0.25	0.8	0.7 – 1	3RV10 11-0JA10						0.7 – 1	3RU11 16-0JB0			1 – 4	3RB2□1□-□PB0
0.37	1.1	0.9 – 1.25	3RV10 11-0KA10						0.9 – 1.25	3RU11 16-0KB0				
0.55	1.5	1.1 – 1.6	3RV10 11-1AA10	1.1 – 1.6	3RU11 16-1AB0	3 – 12	3RB2□1□-□SB0							
0.75	1.9	1.4 – 2	3RV10 11-1BA10	1.4 – 2	3RU11 16-1BB0									
0.75	1.9	1.8 – 2.5	3RV10 11-1CA10	1.8 – 2.5	3RU11 16-1CB0									
1.1	2.7	2.2 – 3.2	3RV10 11-1DA10	2.2 – 3.2	3RU11 16-1DB0									
1.5	3.6	2.8 – 4	3RV10 11-1EA10	2.8 – 4	3RU11 16-1EB0									
1.5	3.6	3.5 – 5	3RV10 11-1FA10	3.5 – 5	3RU11 16-1FB0	* With ground fault detection (can be activated) and electrical remote reset.								
2.2	5.2	4.5 – 6.3	3RV10 11-1GA10	4.5 – 6.3	3RU11 16-1GB0									
3	6.8	5.5 – 8	3RV10 11-1HA10	5.5 – 8	3RU11 16-1HB0									
4	9	7 – 10	3RV10 11-1JA10	7 – 10	3RU11 16-1JB0									
5.5	11.5	9 – 12	3RV10 11-1KA10	AC 230 V, 50/60 Hz 1NC 1NO	3RT10 15-1AP02 3RT10 15-1AP01	AC/DC 110–230 V 6	3RW30 14-1CB14							
				DC 24 V 1NC 1NO	3RT10 15-1BB42 3RT10 15-1BB41	AC/DC DC 24 V 6	3RW30 14-1CB04							
				AC 230 V, 50/60 Hz 1NC 1NO	3RT10 16-1AP02 3RT10 16-1AP01	AC/DC 110–230 V 9	3RW30 16-1CB14							
				DC 24 V 1NC 1NO	3RT10 16-1BB42 3RT10 16-1BB41	AC/DC 24 V 9	3RW30 16-1CB04							
				AC 230 V, 50/60 Hz 1NC 1NO	3RT10 17-1AP02 3RT10 17-1AP01									
				DC 24 V 1NC 1NO	3RT10 17-1BB42 3RT10 17-1BB41									

Class 10 0 6 1
Class 20 0 6 2
Class 5...30* 1 3 4

* With ground fault detection
(can be activated) and
electrical remote reset.

S0 design

Direct start



	Version	Order No.
① Size S0 circuit breaker		
② Link module	AC	3RA19 21-1AA00
	DC	3RA19 21-1BA00
③ Size S0 contactor		

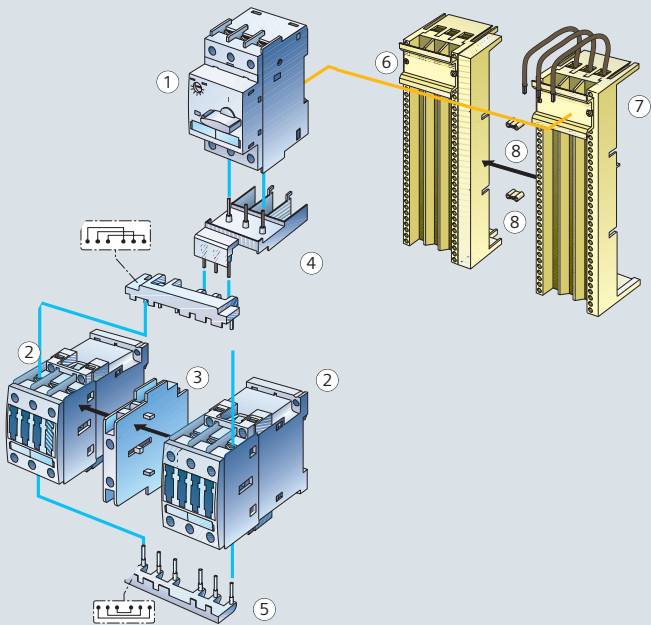
For busbar mounting (alternative)

Busbar adapter	40 mm	8US10 51-5DM07
	60 mm	8US12 51-5DM07

For rail mounting (diagram)

Directly snapped onto a mounting rail without adapter

Reversing start



Assembly kit
for busbar mounting
40 mm: 3RA19 13-1C
60 mm: 3RA19 13-1D
comprising:
1 wiring kit ⑤
1 busbar adapter ⑥
1 controlgear support ⑦
2 link wedges ⑧

Assembly kit
for rail mounting
3RA19 23-1B
comprising:
1 wiring kit ⑤
2 rail adapter
2 side modules
4 link wedges ⑧

	Version	Order No.
① Size S0 circuit breaker		
② 2, Size S0 connectors		
③ Mechanical interlock		3RA19 24-2B
④ Link module	AC	3RA19 21-1AA00
	DC	3RA19 21-1BA00
⑤ Wiring kit: upper link module, lower link module		3RA19 23-2A
For busbar mounting (diagram)		
⑥ Controlgear support	40 mm	8US10 60-5AM00
	60 mm	8US12 60-5AM00
⑦ Busbar adapter	40 mm	8US10 51-5DM07
	60 mm	8US12 51-5DM07
⑧ Link wedges (1 Order No. = 100 wedges)		8US19 98-1AA00
For rail mounting (alternative)		
Rail adapter		3RA19 22-1AA00
Side module (1 Order No. = 100 modules)		3RA19 02-1B
Link wedges (1 Order No. = 100 wedges)		8US19 98-1AA00

S0 selection and ordering data

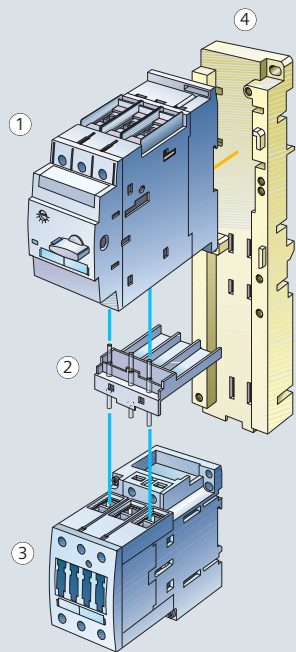


- 1) For rated device operating voltage
Ve: 200–460 V (Ve: 460–575 V refer to Catalog)
- 2) When using tripping class CLASS 20 refer to the information in the engineering support “Engineering SIRIUS fuseless load feeders” and also in the Catalog
- 3) Fan available as accessory

3-phase motor AC-3/400 V		Circuit breakers (MSP)		Contactors		Soft starters		Overload relays						
[kW]	[A]	Setting range CLASS 10 [A]	Order No.	Control supply voltage	Aux- iliary contacts	Order No.	Control supply voltage	Rated- operating current ¹⁾ <i>I_e</i>	Order No.	Setting range CLASS 10 [A]	Thermal Order No.	Setting range [A]	Solid-state Order No.	
5.5	11.5	9 – 12.5	3RV10 21-1KA10	AC 230 V, 50/60 Hz	–	3RT10 24-1AL20	AC/DC 110–230 V ³⁾	12.5	3RW30 24-1AB14	9 – 12.5	3RU11 26-1KB0		2RB2□2□-□QB0	
				DC 24 V	–	3RT10 24-1BB40	AC/DC 24 V ³⁾	12.5	3RW30 24-1AB04					
7.5	15.5	11 – 16	3RV10 21-4AA10	AC 230 V, 50/60 Hz	–	3RT10 25-1AL20	AC/DC 110–230 V ³⁾	16	3RW30 25-1AB14	11 – 16	3RU11 26-4AB0			
				DC 24 V	–	3RT10 25-1BB40	AC/DC 24 V ³⁾	16	3RW30 25-1AB04					
7.5	15.5	14 – 20	3RV10 21-4BA10	AC 230 V, 50/60 Hz	–	3RT10 26-1AL20	AC/DC 110–230 V ³⁾	25	3RW30 26-1AB14	14 – 20	3RU11 26-4BB0	6 – 25		2RB2□2□-□QB0
				DC 24 V	–	3RT10 26-1BB40	AC/DC 24 V ³⁾	25	3RW30 26-1AB04					
11	22	17 – 22	3RV10 21-4CA10							17 – 22	3RU11 26-4CB0			
11	22	20 – 25	3RV10 21-4DA10							20 – 25	3RU11 26-4DB0			

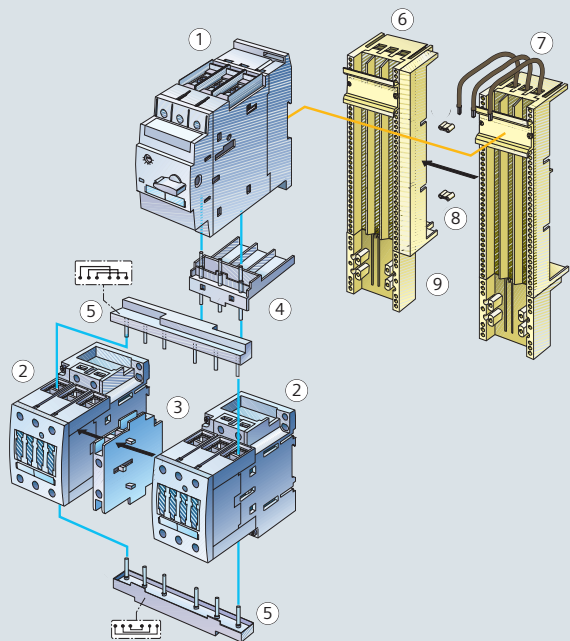
S2 design

Direct start



	Version	Order No.
① Size S2 circuit breaker		
② Link module	AC	3RA19 31-1AA00
	DC	3RA19 31-1BA00
③ Size S2 contactor		
For busbar mounting (alternative)		
Busbar adapter	40 mm	8US10 61-5FP08
	60 mm	8US12 61-5FP08
For rail mounting (diagram)		
④ Rail adapter		3RA19 32-1AA00

Reversing start



Assembly kit
for busbar mounting
40 mm: 3RA19 33-1C
60 mm: 3RA19 33-1D
comprising:
1 wiring kit ⑤
1 busbar adapter ⑥
1 controlgear support ⑦
1 side module ⑨
2 link wedges ⑧

Assembly kit
for rail mounting
3RA19 33-1B
comprising:
1 wiring kit ⑤
2 rail adapter
2 side modules
4 link wedges ⑧

	Version	Order No.
① Size S2 circuit breaker		
② 2, Size S2 connectors		
③ Mechanical interlock		3RA19 24-2B
④ Link module	AC	3RA19 31-1AA00
	DC	3RA19 31-1BA00
⑤ Wiring kit: upper link module, lower link module		3RA19 33-2A
For busbar mounting (diagram)		
⑥ Controlgear support	40 mm	8US10 60-5AP00
	60 mm	8US12 60-5AP00
⑦ Busbar adapter	40 mm	8US10 61-5FP08
	60 mm	8US12 61-5FP08
⑧ Link wedges (1 Order No. = 100 wedges)		8US19 98-1AA00
⑨ Side module		8US19 98-2MB00
For rail mounting (alternative)		
Rail adapter		3RA19 32-1AA00
Link wedges (1 Order No. = 100 wedges)		8US19 98-1AA00

S2 selection and ordering data

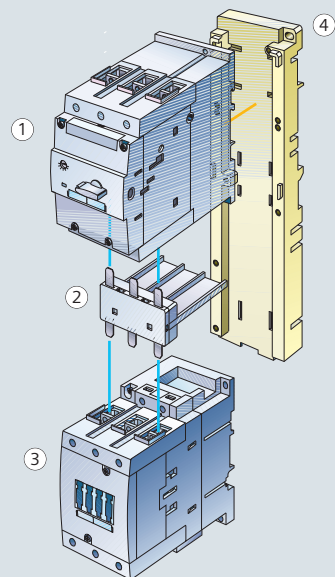


- 1) For rated device operating voltage
Ve: 200–460 V (Ve: 460–575 V refer to Catalog)
- 2) When using tripping class CLASS 20 refer to the information in the engineering support
"Engineering SIRIUS fuseless load feeders" and also in the Catalog
- 3) Fan available as accessory

3-phase motor AC-3/400 V		Circuit breakers (MSP)		Contactors		Soft starters			Overload relays																														
		Setting range CLASS 10 [A]	Order No.	Control supply voltage	Aux- iliary contacts	Order No.	Control supply voltage	Rated operating current ¹⁾ <i>I_e</i>	Order No.	Setting range CLASS 10 [A]	Thermal Order No.	Setting range [A]	Solid-state Order No.																										
15	29	22 – 32	3RV10 31-4EA10	AC 230 V, 50/60 Hz – DC 24 V	–	3RT10 34-1AL20 3RT10 34-1BB40	AC/DC 110–230 V ³⁾ 32	3RW30 34-1AB14	22 – 32	3RU11 36-4EB0	12,5 – 50	3RB2□3□-□UB0																											
18.5	35	28 – 40	3RV10 31-4FA10	AC 230 V, 50/60 Hz – DC 24 V	–	3RT10 35-1AL20 3RT10 35-1BB40	AC/DC 24 V ³⁾ 32	3RW30 34-1AB04	28 – 40	3RU11 36-4FB0																													
22	41	36 – 45	3RV10 31-4GA10	AC 230 V, 50/60 Hz – DC 24 V	–	3RT10 36-1AL20 3RT10 36-1BB40	AC/DC 110–230 V ³⁾ 38	3RW30 35-1AB14	36 – 45	3RU11 36-4GB0																													
22	41	40 – 50	3RV10 31-4HA10	AC 230 V, 50/60 Hz – DC 24 V	–	3RT10 36-1AL20 3RT10 36-1BB40	AC/DC 24 V ³⁾ 45	3RW30 36-1AB14	40 – 50	3RU11 36-4HB0																													
							45	3RW30 36-1AB04			Class 10 <table><tr><td>0</td><td>6</td><td>1</td></tr><tr><td>0</td><td>6</td><td>2</td></tr><tr><td>1</td><td>3</td><td>4</td></tr></table> Class 20 <table><tr><td>0</td><td>6</td><td>2</td></tr><tr><td>0</td><td>6</td><td>2</td></tr><tr><td>1</td><td>3</td><td>4</td></tr></table> Class 5...30* <table><tr><td>1</td><td>3</td><td>4</td></tr><tr><td>1</td><td>3</td><td>4</td></tr><tr><td>1</td><td>3</td><td>4</td></tr></table> * With ground fault detection (can be activated) and electrical remote reset.		0	6	1	0	6	2	1	3	4	0	6	2	0	6	2	1	3	4	1	3	4	1	3	4	1	3	4
0	6	1																																					
0	6	2																																					
1	3	4																																					
0	6	2																																					
0	6	2																																					
1	3	4																																					
1	3	4																																					
1	3	4																																					
1	3	4																																					

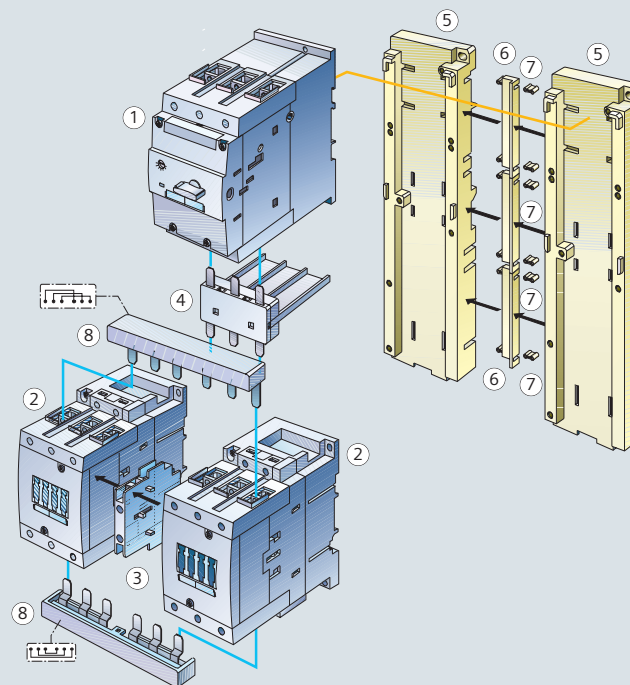
S3 design

Direct start



	Version	Order No.
① Size S3 circuit breaker		
② Link module	AC	3RA19 41-1AA00
	DC	3RA19 41-1BA00
③ Size S3 contactor		
④ Rail adapter		3RA19 42-1A

Reversing start



**Assembly kit
for rail mounting**
3RA19 43-1B
comprising:
1 wiring kit ⑧
2 rail adapter ⑤
3 side modules ⑥
6 link wedges ⑦

	Version	Order No.
① Size S3 circuit breaker		
② 2, Size S3 connectors		
③ Mechanical interlock		3RA19 24-2B
④ Link module	AC	3RA19 41-1AA00
	DC	3RA19 41-1BA00
⑤ Rail adapter		3RA19 42-1AA00
⑥ Side modules for rail adapters (1 Order No. = 10 adapters)	3RA19 02-1B	
⑦ Link wedge (1 Order No. = 100 wedges)		8US19 98-1AA00
⑧ Wiring kit: upper link module, lower link module		3RA19 43-2A

S3 selection and ordering data



- 1) For rated device operating voltage
Ve: 200–460 V (Ve: 460–575 V refer to Catalog)
- 2) When using tripping class CLASS 20 refer to the information in the engineering support
"Engineering SIRIUS fuseless load feeders" and also in the Catalog
- 3) Fan available as accessory

3-phase motor AC-3/400 V		Circuit breakers (MSP)		Contactors		Soft starters			Overload relays														
		Setting range CLASS 10	Order No.	Control supply voltage	Aux- iliary switches	Order No.	Control supply voltage	Rated operating current ¹⁾	Order No.	Setting range CLASS 10	Thermal Order No.	Setting range	Solid-state Order No.										
		[A]						<i>I_e</i>		[A]		[A]											
30	55	45 – 63	3RV10 41-4JA10	AC 230 V, 50/60 Hz – DC 24 V	–	3RT10 44-1AL20 3RT10 44-1BB40	AC/DC 110–230 V ³⁾ 63	3RW30 44-1AB14	AC/DC 24 V ³⁾ 63	3RW30 44-1AB04	45 – 63	3RU11 46-4JB0	25 – 100	3RB2□4□-□EBC									
37	67	57 – 75	3RV10 41-4KA10	AC 230 V, 50/60 Hz – DC 24 V	–	3RT10 45-1AL20 3RT10 45-1BB40	AC/DC 110–230 V ³⁾ 75	3RW30 45-1AB14	AC/DC 24 V ³⁾ 75	3RW30 45-1AB04	57 – 75	3RU11 46-4KB0											
45	80	70 – 90	3RV10 41-4LA10	AC 230 V, 50/60 Hz – DC 24 V	–	3RT10 46-1AL20 3RT10 46-1BB40	AC/DC 110–230 V ³⁾ 100	3RW30 46-1AB14	AC/DC 24 V ³⁾ 100	3RW30 46-1AB04	70 – 90	3RU11 46-4LB0											
45	80	80 – 100	3RV10 41-4MA10								80 – 100	3RU11 46-4MB0											
													Class 10 <table><tr><td>0</td><td>6</td><td>1</td></tr><tr><td>0</td><td>6</td><td>2</td></tr><tr><td>1</td><td>3</td><td>4</td></tr></table> * With ground fault detection (can be activated) and electrical remote reset.		0	6	1	0	6	2	1	3	4
0	6	1																					
0	6	2																					
1	3	4																					

S6, S10, S12 selection and ordering data



S6		Contactors				
3-phase motor AC-3/400 V		Electromagnetic operating mechanism	Control supply voltage	Auxiliary switches	Contactors Order No.	Vacuum contactor Order No.
[kW]	[A]		[AC/DC V]			
55	115	Conventional	220–240	2NO + 2NC	3RT1054-1AP36	–
		Electronic				
		– for 24 V DC PLC output	200–277	2NO + 2NC	3RT1054-1NP36	–
		– for 24 V DC PLC output w/ RLT ³⁾	200–277	1NO + 1NC	3RT1054-1PP35	–
		– with AS-i interface and RLT ³⁾	200–277	1NO + 1NC	3RT1054-1QP35	–
75	150	Conventional	220–240	2NO + 2NC	3RT1055-6AP36	–
		Electronic				
		– for 24 V DC PLC output	200–277	2NO + 2NC	3RT1055-6NP36	–
		– for 24 V DC PLC output w/ RLT ³⁾	200–277	1NO + 1NC	3RT1055-6PP35	–
		– with AS-i interface and RLT ³⁾	200–277	1NO + 1NC	3RT1055-6QP35	–
90	185	Conventional	220–240	2NO + 2NC	3RT1056-6AP36	–
		Electronic				
		– for 24 V DC PLC output	200–277	2NO + 2NC	3RT1056-6NP36	–
		– for 24 V DC PLC output w/ RLT ³⁾	200–277	1NO + 1NC	3RT1056-6PP35	–
		– with AS-i interface and RLT ³⁾	200–277	1NO + 1NC	3RT1056-6QP35	–



Overload relays		
Setting range CLASS 10 [A]	Solid-state Order No.	Version
50 – 200	3RB2□5□-□FW2	with straight-through transformer
50 – 200	3RB2□5□-□FC2	with busbar connection
Class 10 0 6 1 Class 20 0 6 2 Class 5...30* 1 3 4		
* With ground fault detection (can be activated) and electrical remote reset.		



Soft starters		
Control supply voltage	Rated operating current ¹⁾ I _e [A]	Order No.
AC 230 V	134	3RW40 55-6BB44
AC 115 V	134	3RW40 55-6BB34
AC 230 V	162	3RW40 56-6BB44
AC 115 V	162	3RW40 56-6BB34



S10

110	225	Conventional	220–240	2NO + 2NC	3RT1064-6AP36	3RT1264-6AP36
		Electronic				
		– for 24 V DC PLC output	200–277	2NO + 2NC	3RT1064-6NP36	3RT1264-6NP36
		– for 24 V DC PLC output w/ RLT ³⁾	200–277	1NO + 1NC	3RT1064-6PP35	–
		– with AS-i interface and RLT ³⁾	200–277	1NO + 1NC	3RT1064-6QP35	–
132	265	Conventional	220–240	2NO + 2NC	3RT1065-6AP36	3RT1265-6AP36
		Electronic				
		– for 24 V DC PLC output	200–277	2NO + 2NC	3RT1065-6NP36	3RT1265-6NP36
		– for 24 V DC PLC output w/ RLT ³⁾	200–277	1NO + 1NC	3RT1065-6PP35	–
		– with AS-i interface and RLT ³⁾	200–277	1NO + 1NC	3RT1065-6QP35	–
160	300	Conventional	220–240	2NO + 2NC	3RT1066-6AP36	3RT1266-6AP36
		Electronic				
		– for 24 V DC PLC output	200–277	2NO + 2NC	3RT1066-6NP36	3RT1266-6NP36
		– for 24 V DC PLC output w/ RLT ³⁾	200–277	1NO + 1NC	3RT1066-6PP35	–
		– with AS-i interface and RLT ³⁾	200–277	1NO + 1NC	3RT1066-6QP35	–



S12

200	400	Conventional	220–240	2NO + 2NC	3RT1075-6AP36	3RT1275-6AP36
		Electronic				
		– for 24 V DC PLC output	200–277	2NO + 2NC	3RT1075-6NP36	3RT1275-6NP36
		– for 24 V DC PLC output w/ RLT ³⁾	200–277	1NO + 1NC	3RT1075-6PP35	–
		– with AS-i interface and RLT ³⁾	200–277	1NO + 1NC	3RT1075-6QP35	–
250	500	Conventional	220–240	2NO + 2NC	3RT1076-6AP36	3RT1276-6AP36
		Electronic				
		– for 24 V DC PLC output	200–277	2NO + 2NC	3RT1076-6NP36	3RT1276-6NP36
		– for 24 V DC PLC output w/ RLT ³⁾	200–277	1NO + 1NC	3RT1076-6PP35	–
		– with AS-i interface and RLT ³⁾	200–277	1NO + 1NC	3RT1076-6QP35	–

For applications above 100 A, SIRIUS contactors can be combined with SENTRON 3VL circuit breakers.
For more detailed information please refer to the engineering brochure "Engineering SIRIUS fuseless load feeders".

55 – 250 3RB2□6□-□GC2 with busbar connection

160 – 630 3RB2□6□-□MC2 with busbar connection



160 – 630 3RB2□6□-□MC2 with busbar connection

Class 10 0 6 1
Class 20 0 6 2
Class 5...30 1 3 4

* With ground fault detection (can be activated) and electrical remote reset.

- 1) For rated device operating voltage
Ve: 200–460 V (Ve: 400–600 V refer to Catalog)
- 2) When using tripping class CLASS 20 refer to the information in the engineering document "Engineering SIRIUS fuseless load feeders" and as well as in the Catalog
- 3) RLT: Remaining lifetime

AC 230 V 230 3RW40 73-6BB44

AC 115 V 230 3RW40 73-6BB34

AC 230 V 280 3RW40 74-6BB44

AC 115 V 280 3RW40 74-6BB34



AC 230 V 356 3RW40 75-6BB44

AC 115 V 356 3RW40 75-6BB44

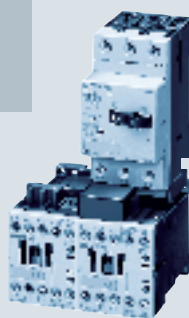
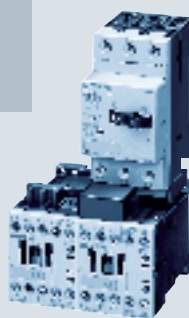
AC 230 V 432 3RW40 76-6BB44

AC 115 V 432 3RW40 76-6BB34

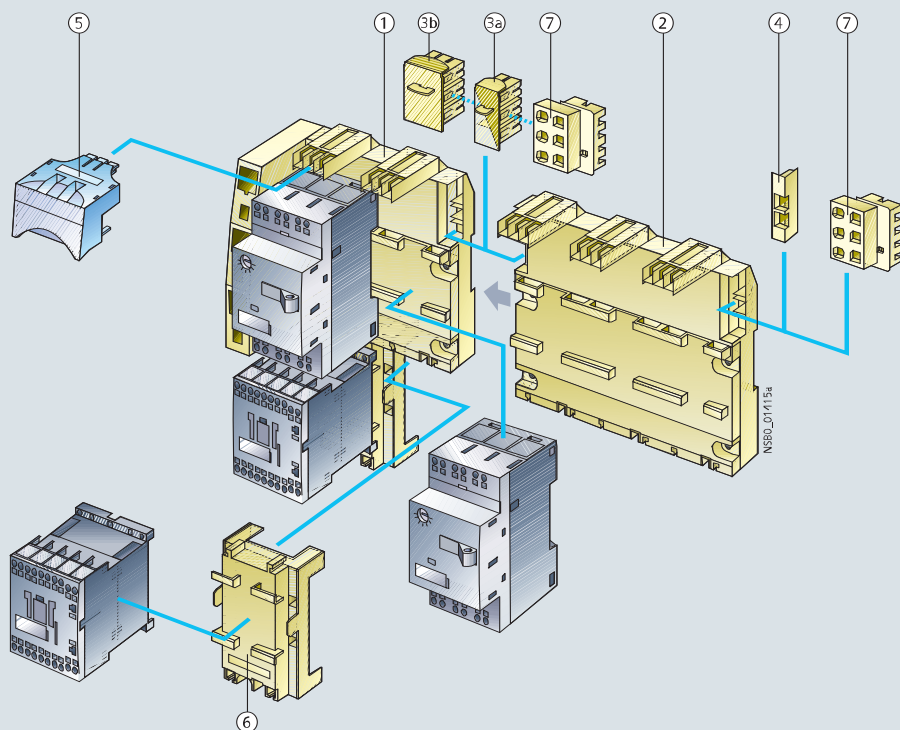
SETRON 3VL circuit breakers are suitable for fuseless short circuit and overload protection for soft starters from Size S6. For more detailed information, please refer to the Catalog.

Completely mounted/assembled load feeders

Fuseless load feeders

3-phase motor AC-3/400 V		Setting range, thermal overload release	3RA coordination type 2 230 V AC direct	3RA coordination type 2 230 V AC reversing	Size	3RA coordination type 1 230 V AC direct	3RA coordination type 1 230 V AC reversing	Size	
[kW]	[A]								
0.06	0.2	0.14 – 0.2	3RA11 10-0BA15-1AP0	3RA12 10-0BA15-0AP0	S00	Coordination type 2 also fulfills coordination type 1	Coordination type 2 also fulfills coordination type 1	S00	
0.06	0.2	0.18 – 0.25	3RA11 10-0CA15-1AP0	3RA12 10-0CA15-0AP0					
0.09	0.3	0.22 – 0.32	3RA11 10-0DA15-1AP0	3RA12 10-0DA15-0AP0					
0.09	0.3	0.28 – 0.4	3RA11 10-0EA15-1AP0	3RA12 10-0EA15-0AP0					
0.12	0.4	0.35 – 0.5	3RA11 10-0FA15-1AP0	3RA12 10-0FA15-0AP0					
0.18	0.6	0.45 – 0.63	3RA11 10-0GA15-1AP0	3RA12 10-0GA15-0AP0					
0.18	0.6	0.55 – 0.8	3RA11 10-0HA15-1AP0	3RA12 10-0HA15-0AP0					
0.25	0.6	0.7 – 1	3RA11 10-0JA15-1AP0	3RA12 10-0JA15-0AP0					
0.37	1.1	0.9 – 1.25	3RA11 10-0KA15-1AP0	3RA12 10-0KA15-0AP0					
0.55	1.5	1.1 – 1.6	3RA11 10-1AA15-1AP0	3RA12 10-1AA15-0AP0					
0.75	1.9	1.4 – 2	3RA11 10-1BA15-1AP0	3RA12 10-1BA15-0AP0	S0	Coordination type 2 also fulfills coordination type 1	Coordination type 2 also fulfills coordination type 1	S00	
0.75	1.9	1.8 – 2.5	3RA11 20-1CA24-0AP0	3RA12 20-1CB24-0AP0					
1.1	2.7	2.2 – 3.2	3RA11 20-1DA24-0AP0	3RA12 20-1DB24-0AP0					
1.5	3.6	2.8 – 4	3RA11 20-1EA24-0AP0	3RA12 20-1EB24-0AP0					
1.5	3.6	3.5 – 5	3RA11 20-1FA24-0AP0	3RA12 20-1FB24-0AP0					
2.2	5.2	4.5 – 6.3	3RA11 20-1GA24-0AP0	3RA12 20-1GB24-0AP0					
3	6.8	5.5 – 8	3RA11 20-1HA24-0AP0	3RA12 20-1HB24-0AP0					
4	9	7 – 10	3RA11 20-1JA26-0AP0	3RA12 20-1JB26-0AP0					
5.5	11.5	9 – 12.5	3RA11 20-1KA26-0AP0	3RA12 20-1KB26-0AP0					
7.5	15.5	11 – 16	3RA11 20-4AA26-0AP0	3RA12 20-4AB26-0AP0					
7.5	15.5	14 – 20	3RA11 20-4BA26-0AP0	3RA12 20-4BB26-0AP0					
11	22	17 – 22	3RA11 20-4CA26-0AP0	3RA12 20-4CB26-0AP0					
11	22	20 – 25							
11	22	18 – 25	3RA11 30-4DB34-0AP0						
15	29	22 – 32	3RA11 30-4EB34-0AP0						
18.5	35	28 – 40	3RA11 30-4FB35-0AP0						
22	41	36 – 45	3RA11 30-4GB36-0AP0						
22	41	40 – 50	3RA11 30-4HB36-0AP0						

Infeed system



- ① 3-phase busbar with infeed at the left, 3RV19 17-1A
- ② 3-phase busbar to expand the system, 3RV19 17-4B
- ③a Extension plug, 3RV19 17-5BA00
- ③b Wider extension plug, 3RV19 17-5E
- ④ End cover, 3RV19 17-6A
- ⑤ Connection plug, 3RV19-17-5AA00
- ⑥ Contactor socket, 3RV19-17-AA00
- ⑦ Terminal block, 3RV19-17-5D



3-phase busbars



- ① 3-phase busbars with infeed left
incl. 3RV19 17-6A end cover

Version Order No.

for 2 switches 3RV19 17-1A

- 3-phase busbars with infeed right
incl. 3RV19 17-6A end cover

for 2 switches 3RV19 17-1E



- ② 3-phase busbars to expand the system
incl. 3RV19 17-5BA00 expansion connector

for 2 switches 3RV19 17-4A

- 3-phase busbars to expand the system
incl. 3RV19 17-5BA00 expansion connector

for 3 switches 3RV19 17-4B

Connection plug



- ⑤ Connection plug
to connect to the circuit breaker

S0, screw

1 unit 3RV19 17-5CA00

S00, spring-loaded terminals

10 units 3RV19 17-5C

1 unit 3RV19 17-5AA00

10 units 3RV19 17-5A

1 unit 3RV19 27-5AA00

10 units 3RV19 27-5A

Accessories



- ⑥ Contactor socket to configure direct or reversing starters

1 unit 3RV19 17-7AA00

10 units 3RV19 17-7A



- ⑦ Terminal block to integrate
1, 2 or 3-pole components

3RV19 17-5D



Mounting rail to integrate other devices into the system,
e.g. 5SY cable protection circuit breakers



- ③b Wider extension plug

3RV19 17-5E

Spare parts



- ③a Expansion plug
as spare part

3RV19 17-5BA00

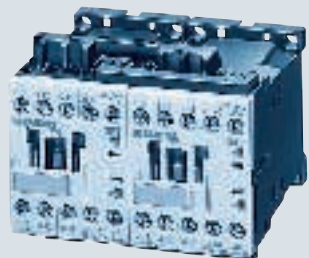


- ④ End cover
as spare part

3RV19 17-6A

Reversing combinations and Star-delta combinations

Reversing combinations up to 45 kW

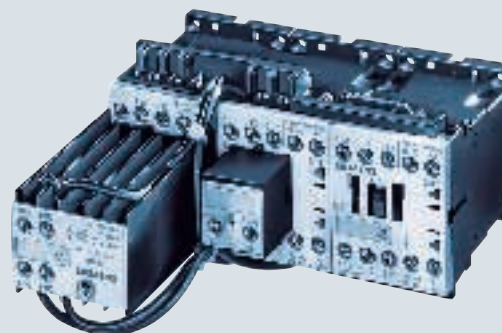


S00

Reversing combinations

3-phase motor AC-3/400 V		Size	Pre-wired and tested for 230 V AC, 50/60 Hz Order No.
[kW]	[A]		
5.5	7	S00	3RA13 15-8XB30-1AP0
	12	S0	3RA13 24-8XB30-1AL2
7.5	9	S00	3RA13 16-8XB30-1AP0
	17	S0	3RA13 25-8XB30-1AL2
11	12	S00	3RA13 17-8XB30-1AP0
	25	S0	3RA13 26-8XB30-1AL2
15	32	S2	3RA13 34-8XB30-1AL2
18.5	40	S2	3RA13 35-8XB30-1AL2
22	50	S2	3RA13 36-8XB30-1AL2
30	65	S3	3RA13 44-8XB30-1AL2
37	37	S3	3RA13 45-8XB30-1AL2
45	95	S3	3RA13 46-8XB30-1AL2

Star-delta combinations up to 75 kW



S00

Contactors combinations

3-phase motor AC-3/400 V		Size	Pre-wired and tested for 230 V AC, 50/60 Hz Order No.
[kW]	[A]		
5.5	12	S00-S00-S00	3RA14 15-8XB21-1AP0
7.5	17	S00-S00-S00	3RA14 16-8XB21-1AP0
11	25	S0-S0-S0	3RA14 23-8XC21-1AL2
15/18.5	32/40	S0-S0-S0	3RA14 25-8XC21-1AL2
22/30	50/65	S2-S2-S0	3RA14 34-8XC21-1AL2
37	80	S2-S2-S2	3RA14 35-8XC21-1AL2
45	86	S2-S2-S2	3RA14 36-8XC21-1AL2
55	115	S3-S3-S2	3RA14 44-8XC21-1AL2
75	150	S3-S3-S2	3RA14 45-8XC21-1AL2

Completely assembled load feeders

Safety-related load feeders

3-phase motor AC-3/400 V		Setting range, thermal overload release	Coordination type 2 230 V AC Category 3 according to EN 954-1	Coordination type 2 24 V DC	Size
[kW]	[A]				
0.04	0.16	0.11 – 0.16	3RA71 01-0AA17-0AL2	3RA71□-0AA17-0AB4	S00
0.06	0.2	0.14 – 0.2	3RA71 01-0BA17-0AL2	3RA71□-0BA17-0AB4	
0.06	0.2	0.18 – 0.25	3RA71 01-0BA17-0AL2	3RA71□-0BA17-0AB4	
0.09	0.3	0.22 – 0.32	3RA71 01-0DA17-0AL2	3RA71□-0DA17-0AB4	
0.09	0.3	0.28 – 0.4	3RA71 01-0EA17-0AL2	3RA71□-0EA17-0AB4	
0.12	0.4	0.35 – 0.5	3RA71 01-0FA17-0AL2	3RA71□-0FA17-0AB4	
0.18	0.6	0.45 – 0.63	3RA71 01-0GA17-0AL2	3RA71□-0GA17-0AB4	
0.18	0.6	0.55 – 0.8	3RA71 01-0HA17-0AL2	3RA71□-0HA17-0AB4	
0.25	0.8	0.7 – 1	3RA71 01-0JA17-0AL2	3RA71□-0JA17-0AB4	
0.37	1.1	0.9 – 1.25	3RA71 01-0KA17-0AL2	3RA71□-0KA17-0AB4	
0.55	1.5	1.1 – 1.6	3RA71 01-1AA17-0AL2	3RA71□-1AA17-0AB4	S0
0.75	1.9	1.4 – 2	3RA71 01-1BA17-0AL2	3RA71□-1BA17-0AB4	
0.75	1.9	1.8 – 2.5	3RA71 02-1CA26-0AL2	3RA71□-2-1CA26-0AB4	
1.1	2.7	2.2 – 3.2	3RA71 02-1DA26-0AL2	3RA71□-2-1DA26-0AB4	
1.5	3.6	2.8 – 4	3RA71 02-1EA26-0AL2	3RA71□-2-1EA26-0AB4	
1.5	3.6	3.5 – 5	3RA71 02-1FA26-0AL2	3RA71□-2-1FA26-0AB4	
2.2	5.2	4.5 – 6.3	3RA71 02-1GA26-0AL2	3RA71□-2-1GA26-0AB4	
3	6.8	5.5 – 8	3RA71 02-1HA26-0AL2	3RA71□-2-1HA26-0AB4	
4	9	7 – 10	3RA71 02-1JA26-0AL2	3RA71□-2-1JA26-0AB4	
5.5	11.5	9 – 12.5	3RA71 02-1KA26-0AL2	3RA71□-2-1KA26-0AB4	
7.5	15.5	11 – 16	3RA71 02-4AA26-0AL2	3RA71□-2-4AA26-0AB4	
7.5	15.5	14 – 20	3RA71 02-4BA26-0AL2	3RA71□-2-4BA26-0AB4	
11	22	17 – 22	3RA71 02-4CA26-0AL2	3RA71□-2-4CA26-0AB4	
11		without	3RA71 00-5AA26-0AL2	3RA71□-0-5AA26-0AB4	

Circuit breaker
(contactor-safety
combination)

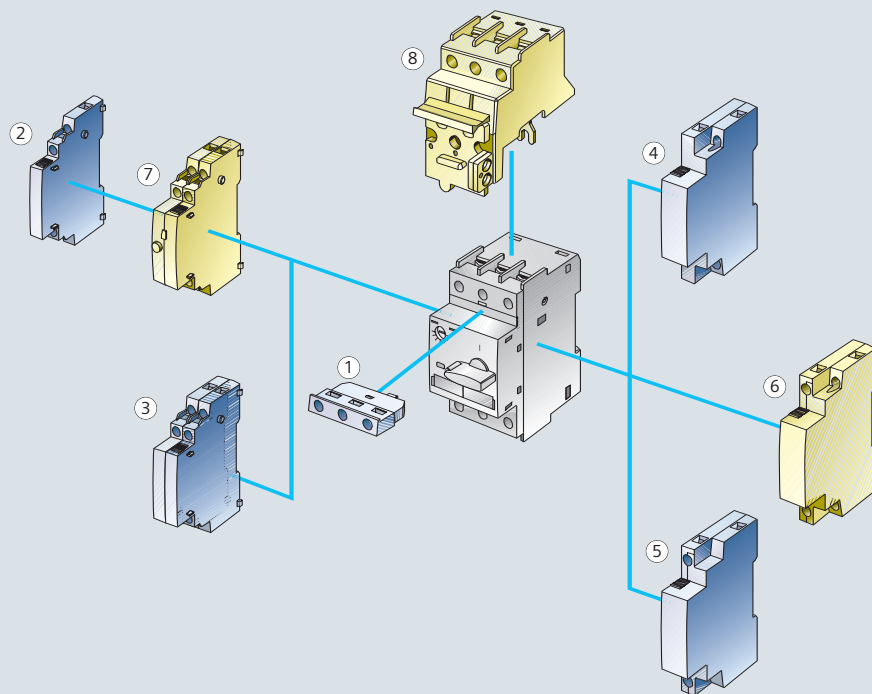
- ① Safety electronics as basic unit up to Category 3
- ① Safety electronics as basic unit up to Category 4
- ② Safety electronics as expansion unit
- ③ Safety electronics as expansion unit, time delay 0.05–3 s
- ④ Safety electronics as expansion unit, time delay 0.05–30 s



S00

Accessories

Circuit breakers



	Version	For Size	Order No.
① Transverse auxiliary switch	1CO 1NO + 1NC 2NO	S00, S0, S2, S3	3RV19 01-1D 3RV19 01-1E 3RV19 01-1F
② Transverse auxiliary switch with 2 contacts	1NO + 1NC 2NO 2NC	S00, S0, S2, S3	3RV19 01-1A 3RV19 01-1B 3RV19 01-1C
③ Transverse auxiliary switch with 4 contacts	2NO + 2NC	S00, S0, S2, S3	3RV19 01-1J
④ Shunt release	230 V AC	S00, S0, S2, S3	3RV19 02-1DP0
⑤ Undervoltage release	230 V AC	S00, S0, S2, S3	3RV19 02-1AP0
⑥ Undervoltage release with leading auxiliary switches	230 V AC	S00 S0, S2, S3	3RV19 12-1CP0 3RV19 22-1CP0
⑦ Signaling switch		S0, S2, S3	3RV19 21-1M
⑧ Isolator module		S0 S2	3RV19 28-1A 3RV19 38-1A

Version

For Size

Order No.

Insulated 3-phase busbar systems



3-phase busbars, modular spacing 45 mm
for 2 switches
for 3 switches
for 4 switches
for 5 switches

S00, S0

3RV19 15-1AB
3RV19 15-1BB
3RV19 15-1CB
3RV19 15-1DB

Connector
from S0 to S00

S00, S0

3RV19 15-5DB



3-phase busbars, modular spacing 55 mm
for 2 switches
for 3 switches
for 4 switches

S2

3RV19 35-1A
3RV19 35-1B
3RV19 35-1C

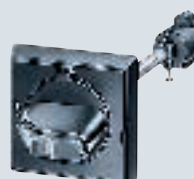


3-phase line-side terminal,
connection from the top

S00
S0
S2

3RV19 15-5A
3RV19 25-5AB
3RV19 35-5A

Door-coupling rotary operating mechanisms



Black
Extension shaft
Extension shaft
with support bracket

130 mm
330 mm

S0, S2, S3

3RV19 26-0B
3RV19 26-0K

Moulded-plastic enclosure for wall mounting



With actuator diaphragm
width 54 mm
(e.g. switch + transverse auxiliary switch)
width 72 mm
(e.g. switch + transverse auxiliary switch +
auxiliary release)

S00

3RV19 13-1CA00

S00

3RV19 13-1DA00



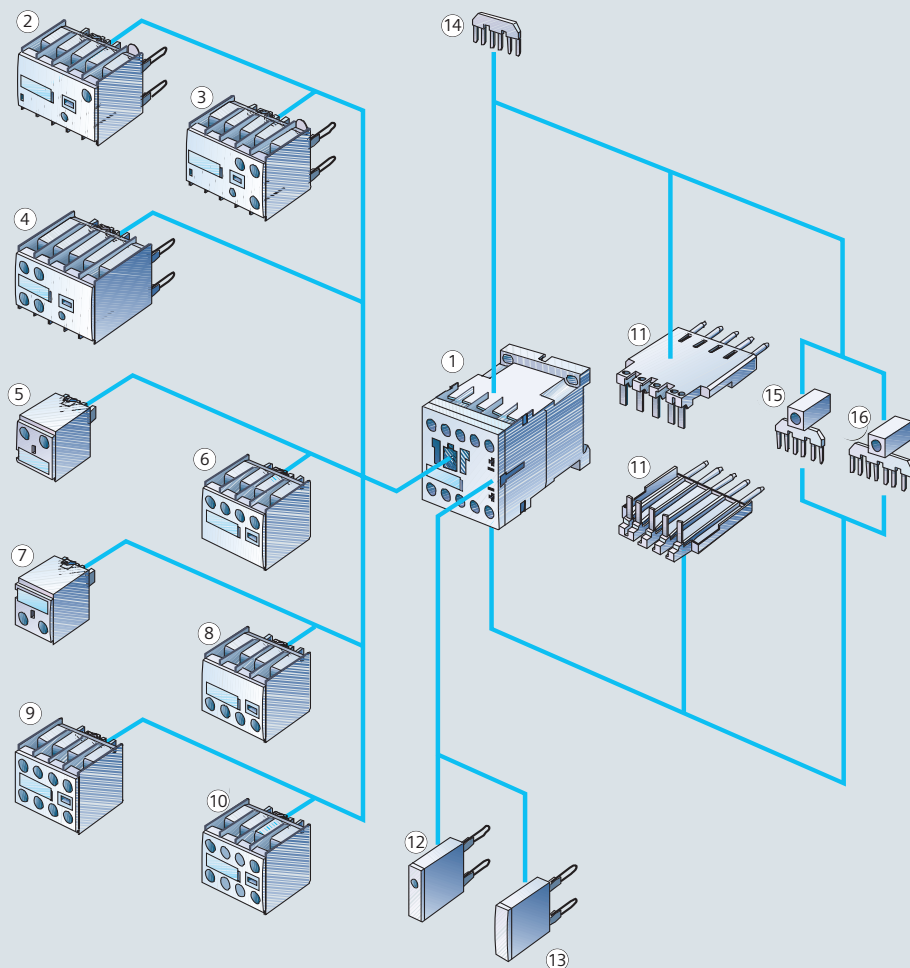
With rotary operating mechanism
width 54 mm
(e.g. switch + transverse auxiliary switch)
width 72 mm
(e.g. switch + transverse auxiliary switch +
auxiliary release)

S0

3RV19 23-1CA00

S0

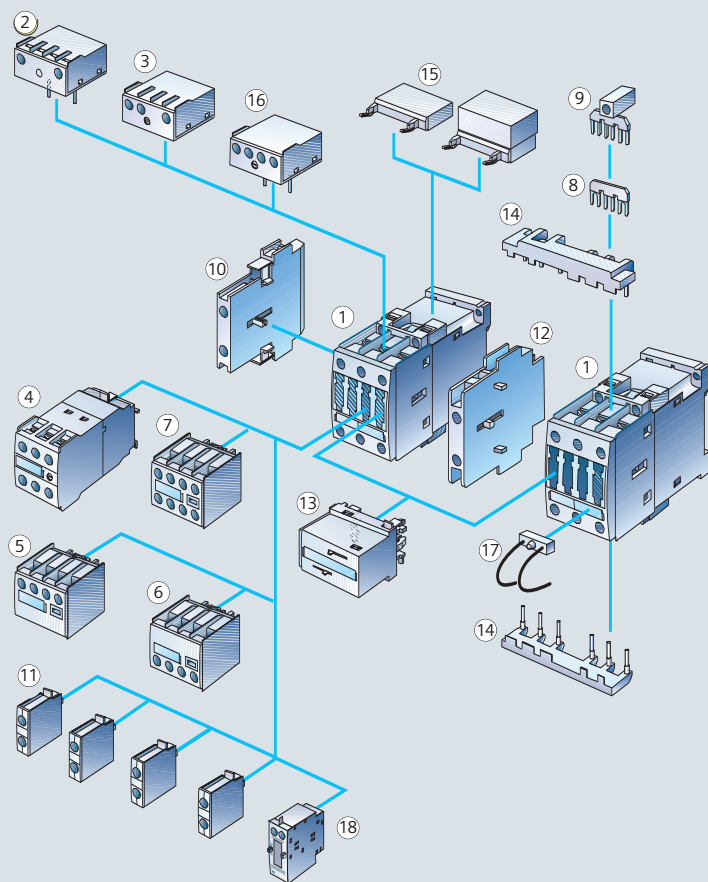
3RV19 23-1DA00



	Version	Order No.
① Contactor (example) control supply voltage	4 kW/400 V, 1NO 230 V, 50/60 Hz	3RT10 16-1AP01
② Solid-state time-delay block ON delay	0.5 – 10 s	3RT19 16-2CH21
③ Solid-state time-delay block OFF delay	0.5 – 10 s	3RT19 16-2DH21
④ Auxiliary switch block, solid-state time-delay ON delay OFF delay	0.5 – 10 s 0.5 – 10 s	3RT19 16-2ED21 3RT19 16-2FL21
⑤ 1-pole auxiliary switch block, cable entry from above	1NO 1NC	3RH19 11-1AA10 3RH19 11-1AA01
⑥ 2-pole auxiliary switch block, cable entry from above	1NO + 1NC	3RH19 11-1LA11
⑦ 1-pole auxiliary switch block, cable entry from below	1NO 1NC	3RH19 11-1BA10 3RH19 11-1BA01
⑧ 2-pole auxiliary switch block, cable entry from below	1NO + 1NC	3RH19 11-1MA11
⑨ 4-pole auxiliary switch block, (terminal designations acc. to DIN EN 50 012)	2NO + 2NC	3RH19 11-1HA22
⑩ 2-pole auxiliary switch block, solid-state compatible design (acc. to DIN EN 50 005)	1NO + 1NC	3RH19 11-1NF11
⑪ Solder pin adapter for the basic unit	for 4 contactors (package)	3RT19 16-4KA1
⑫ Surge suppressor with LED (varistor)	127 – 240 V AC 12 – 24 V DC	3RT19 16-1JL00 3RT19 16-1JU00
⑬ Surge suppressor without LED (varistor)	127 – 240 V AC 24 – 70 V DC	3RT19 16-1BD00 3RT19 16-1BB00
⑭ Link for paralleling, (star jumper), 3-pole, without terminal	–	3RT19 16-4BA31
⑮ Link for paralleling, 3-pole, with terminal	–	3RT19 16-4BB31
⑯ Link for paralleling, 4-pole, with terminal	–	3RT19 16-4BB41

Accessories

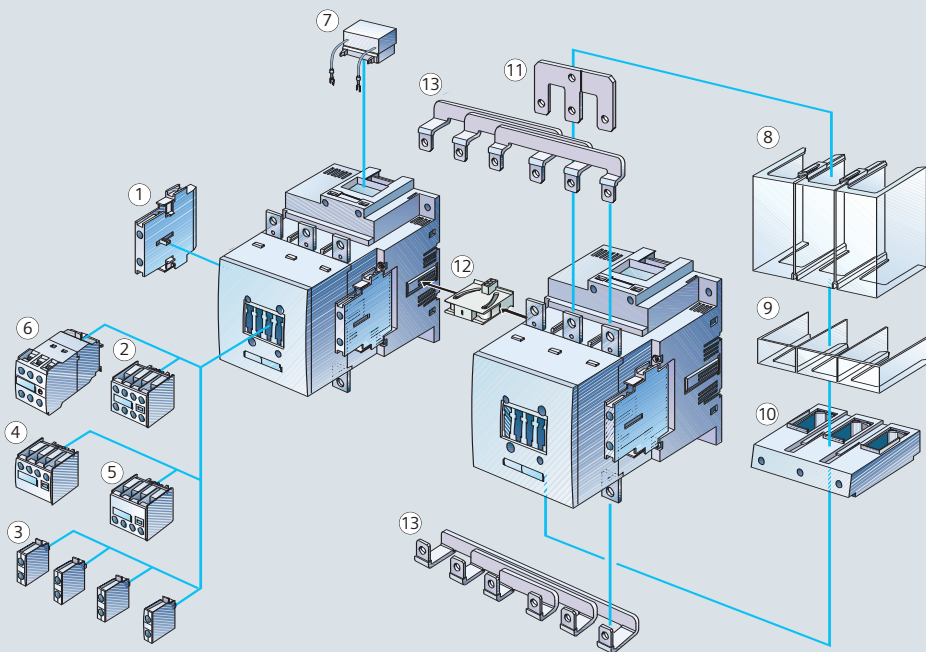
Contactors S0 – S3



	Version	For Size	Order No.
① Contactor, size S0 (example) control supply voltage	7.5 kW/400 V 230 V, 50 Hz		3RT10 25-1AP00
For sizes S0 to S3:			
② Solid-state time-delay block, ON delay	0.5 – 10 s		3RT19 26-2CH21
③ Solid-state time-delay block, OFF delay	0.5 – 10 s		3RT19 26-2DH21
④ Auxiliary switch block, solid-state time-delay ON delay OFF delay	0.5 – 10 s 0.5 – 10 s		3RT19 26-2ED21 3RT19 26-2FL21
⑤ 2-pole auxiliary switch block, cable entry from above	1NO + 1NC		3RH19 21-1LA11
⑥ 2-pole auxiliary switch block, cable entry from below	1NO + 1NC		3RH19 21-1MA11
⑦ 4-pole auxiliary switch block (terminal designations acc. to DIN EN 50 012)	2NO + 2NC		3RH19 21-1HA22
⑧ Link for paralleling (star jumper), 3-pole, without terminal	–	S0 S2 S3	3RT19 26-4BA31 3RT19 36-4BA31 3RT19 46-4BA31
⑨ Link for paralleling, 3-pole, with terminal	–	S0 S2 S3	3RT19 26-4BB31 3RT19 36-4BB31 3RT19 46-4BB31
⑩ 2-pole auxiliary switch block, can be laterally mounted (left or right) (terminal designations acc. to DIN EN 50012)	1NO + 1NC	S0 – S3	3RH19 21-1DA11
⑪ Single-pole auxiliary switch block (up to 4 can be snapped on)	1NO 1NC	S0 – S3 S0 – S3	3RH19 21-1CA10 3RH19 21-1CA01
⑫ Mechanical interlock, can be laterally mounted	–	S0 – S3	3RA19 24-2B
⑬ Mechanical interlock, can be mounted at the front	–	S0 – S3	3RA19 24-1A
⑭ Wiring connectors at the top and bottom (reversing operation) – plugging	– – –	S0 S2 S3	3RA19 23-2A 3RA19 33-2A 3RA19 43-2A
⑮ Surge suppressor (varistors), can be mounted at the top or bottom	–	S0 – S3	3RT19 26-1BD00
⑯ Interface for mounting directly onto the contactor coil	–	S0 – S3	3RT19 26-3AB31
⑰ LED module to indicate contactor operation	–	S0 – S3	3RT19 26-1QT00
⑱ Mechanical latching	24 AC/DC 110 AC/DC 230 AC/DC	S0, S2 S0, S2 S0, S2	3RT19 26-3AB31 3RT19 26-3AF31 3RT19 26-3AP31

Accessories

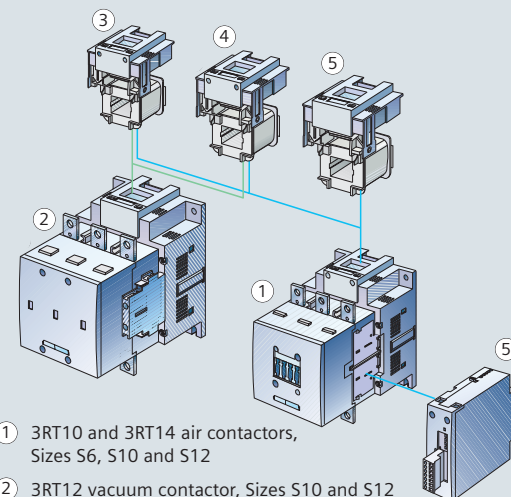
Contactors S6 – S12



	Version	Order No.
① 2-pole auxiliary switch block, can be laterally mounted – 2 nd block (left/right), DIN EN 50 012 – 2 nd block (left/right), DIN EN 50 005	1NO + 1NC 1NO + 1NC 2NO	3RH19 21-1JA11 3RH19 21-1KA11 3RH19 21-1KA20
② 4-pole auxiliary switch block, can be mounted at the front – with classification No. 5...8, DIN EN 50 012 2NO + 2NC – with classification No. 1...4, DIN EN 50 012 2NO + 2NC		3RH19 21-1XA22-0MA0 3RH19 21-1HA22
③ Single-pole auxiliary switch block, can be mounted at the front	1NO 1NC	3RH19 21-1CA10 3RH19 21-1CA01
④ 2-pole auxiliary switch block, can be mounted at the front cable entry from above, DIN EN 50 005	1NO + 1NC	3RH19 21-1LA11
⑤ 2-pole auxiliary switch block, can be mounted at the front cable entry from below, DIN EN 50 005	1NO + 1NC	3RH19 21-1MA11
⑥ Auxiliary switch block, solid-state time-delay – ON delay, 200–240 V AC – OFF delay, 200–240 V AC	1NO + 1NC 0. ... 10 s 0.5 ... 10 s	3RH19 26-2ED21 3RH19 26-2FL21

	Version	Order No.
⑦ RC element, 127 ... 240 V AC		3RT19 56-1CD00
⑧ Connection cover for busbar connection	for S6 for S10/S12	3RT19 56-4EA1 3RT19 66-4EA1
⑨ Connection cover for box terminals	for S6 for S10/S12	3RT19 56-4EA2 3RT19 66-4EA2
⑩ Box terminal block – for S6 – for S10/S12	to 70 mm ² to 120 mm ² to 240 mm ²	3RT19 55-4G 3RT19 56-4G 3RT19 66-4G
⑪ Link for paralleling	for S6 for S10/S12	3RT19 56-4BA31 3RT19 66-4BA31
⑫ Mechanical interlock		3RA19 54-2A
⑬ Wiring connectors, top and bottom (reversing operation) plugging	for S6 for S10 for S12	3RA19 53-2A 3RA19 63-2A 3RA19 73-2A

Operating mechanism types



- ① 3RT10 and 3RT14 air contactors, Sizes S6, S10 and S12
- ② 3RT12 vacuum contactor, Sizes S10 and S12
- ③ Withdrawable coils for contactors with conventional operating mechanism 3RT1...-A..
- ④ Withdrawable coils for contactors with electronic operating mechanism 3RT1...-N..
- ⑤ Withdrawable coils and laterally mounted module (can be plugged in) for contactors with electronic operating mechanism and remaining lifetime signal 3RT1...-P.. and 2RT1...-Q

Size	3-phase motor AC-3/400 V	Contactor without coil	Withdrawable coil for operating mechanism conventional control supply voltage 220 ... 240 V AC/DC	Withdrawable coil for operating mechanism electronic 200 ... 277 V AC/DC
	kW	Order No.	Order No.	Order No.
S6	55 75 90	3RT10 54-1LA06 3RT10 55-6LA06 3RT10 56-6LA06	3RT19 55-5AP31	3RT19 55-5NP31
S10	110 132 160	3RT10 64-6LA06 3RT10 65-6LA06 3RT10 66-6LA06	3RT19 65-5AP31	3RT19 65-5NP31
S12	200 250	3RT10 75-6LA06 3RT10 76-6LA06	3RT19 75-5AP31	3RT19 75-5NP31

Accessories

Accessories for 3RU11 thermal overload relays and 3RB20/21 solid-state overload relays



Version	For Size	Order No.
Adapter for single mounting for 3RB20/21 to separately mount the overload relay, screw and snapping onto Rails TH 35	S00	3RB29 13-0AA1
	S0	3RB29 23-0AA1



Connecting carrier for individual mounting for 3RU11 for separately mounting the overload relay, screwed and snapped onto TH35 mounting rails. Size S3 also for a TH 75 mounting rail	S00	3RU19 16-3AA01
	S0	3RU19 26-3AA01
	S2	3RU19 36-3AA01
	S3	3RU19 46-3AA01



Mechanical RESET for 3RU11 und 3RB20/21 comprising:		
① Resetting plunger, holder and former	S00 to S10/S12	3RU19 00-1A
② Pushbutton with extended stroke (12 mm), IP65, 22 mm diameter	S00 to S10/S12	3SB30 00-0EA11
Extension actuator to equalize the clearance between a pushbutton and the release button of the relay.	S00 bis S10/S12	3SX1335



Cable release with holder for RESET for 3RU11 und 3RB20/21			
for holes 6.5 mm diameter in the panel;	length 400 mm	S00 to S10/S12	3RU19 00-1B
	length 600 mm	S00 to S10/S12	3RU19 00-1C
max. panel thickness, 8 mm			

Version	For Size	Order No.
Sealable cover for 3RB20/21, transparent to cover the setting elements for 3RB20/21	S00 to S10/S12	3RB29 84-0



Terminal Covers for 3RU11 and 3RB20/21		
Cover for cable lug and busbar connection	S3	3RT19 46-4EA1
	S6	3RT19 56-4EA1
	S10/S12	3RT19 66-4EA1
Cover for box terminals	S2	3RT19 36-4EA2
	S3	3RT19 46-4EA2
	S6	3RT19 56-4EA2
	S10/S12	3RT19 66-4EA2
Cover for the screw connection between the contactor and overload relay without box terminals (1x is required for each combination)	S6	3RT19 56-4EA3
	S10/S12	3RT19 66-4EA3



Box terminal block for round and ribbon cables	to 70 mm ²	S6	3RT19 55-4G
	to 120 mm ²	S6	3RT19 56-4G
	to 240 mm ²	S10/S12	3RT19 66-4G

Enclosures for motor starters

3-phase motor AC-3/400 V [kW]	Enclosure for direct starters	Size	Order No.	Components required		Qty.
5.5	Moulded-plastic enclosure for wall mounting IP65 degree of protection with actuator elements	S00	3RE1913-1CB1	Contactor with integrated auxiliary switch 1NO	3RT10 1-.....1	1
				Thermal or solid-state overload relay	3RU11 16 resp. 3RB10 16	1
11	Moulded-plastic enclosure for wall mounting IP65 degree of protection with actuator elements	S0	3RE1923-1CB2	Contactor	3RT10 2	1
				Thermal or solid-state overload relay	3RU11 26 resp. 3RB10 26	1
				Lateral auxiliary switch 1NO/1NC	3RH19 21-1DA11	1
22	Moulded-plastic enclosure for wall mounting IP65 degree of protection with actuator elements	S2	3RE1933-1CB3	Contactor	3RT10 3	1
				Thermal or solid-state overload relay	3RU11 36 resp. 3RB10 36	1
				Lateral auxiliary switch 1NO/1NC	3RH19 21-1DA11	1
3-phase motor AC-3/400 V [kW]	Enclosure for reversing starters	Size	Order No.	Components required		Qty.
5.5	Moulded-plastic enclosure for wall mounting IP65 degree of protection with actuator elements	S00/S0	3RE1913-2CB3	Contactor	3RT10 1	2
				Wiring kit for reversing combination	3RH19 13-2A	1
				Thermal or solid-state overload relay	3RU11 16 resp. 3RB10 16	1
				Auxiliary switch 1NO at the front	3RH19 11-1BA10	2
11	Moulded-plastic enclosure for wall mounting IP65 degree of protection with actuator elements	S00/S0	3RE1913-2CB3	Contactor	3RT10 2	2
				Wiring kit for reversing combination	3RH19 23-2A	1
				Mechanical interlock	3RH19 24-2B	1
				Thermal or solid-state overload relay	3RU11 26 resp. 3RB10 26	1
				Auxiliary switch 1NO at the front	3RH19 21-1CA10	2

Direct and reversing starters in enclosures are also available pre-configured. These include all of the necessary components and are pre-wired – with the exception of the overload relay. The overload relay should be selected corresponding to the application and must be separately ordered. For more detailed information, please refer to the Catalog.



Ordering by fax +49/911/978-3321 CD/Z1226

Newsletter

Always up-to-date: Our regular Newsletter gives you current information about industrial controls and power distribution. Simply register under www.siemens.com/lowvoltage/newsletter

Please send the selected information to the following address:

Company/Department

Name

Street, Postal Code/City

Telephone/Fax

E-mail



☐ **SIRIUS Industrial Controls**



☐ **SIRIUS Switching**

☐ **SIRIUS Solid-state switching devices**



☐ **SIRIUS Protecting**



☐ **SIRIUS Starting**
☐ **SIRIUS Infeed system**

☐ **SIRIUS Soft starters**
☐ **SIRIUS Engineering load feeders**

☐ **SIMATIC ET 200pro**
☐ **SIRIUS Motor starter**

MONITORING AND CONTROLLING

☐ **SIRIUS Motor management system SIMOCODE pro**

☐ **SIRIUS Relays**
☐ **SIRIUS Safety Relays**



☐ **SIRIUS Detecting**

☐ **SIRIUS Position switches**



☐ **SIRIUS Commanding and signaling**
☐ **SIRIUS Pushbuttons and indicator lights**

☐ **SIRIUS Signaling columns and integrated signal lamps**
☐ **SIRIUS Cable-operated switches**



☐ **SIRIUS Supplying**
☐ **SIVENT Fans**

☐ **SIDAC Reactors & filters**
☐ **SIDAC & SIVENT Solutions**

☐ **Motor starter ES**
☐ **Soft starter ES**

☐ **SIMOCODE ES**

COMMANDING DETECTING AND SIGNALING

ENGINEERING SUPPLYING

SIRIUS AND MORE

☐ **SIRIUS Safety Integrated**

☐ **AS-Interface**
SIRIUS Modular system
☐ **SIRIUS Connection systems**

☐ **ECOFAST**

Siemens AG

Automation and Drives
Low-Voltage Controls and Distribution
P.O. Box 48 48, 90327 NUREMBERG, GERMANY

www.siemens.com/lowvoltage/technical-assistance
www.siemens.com/sirius

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.