

SIRIUS Innovations.

System Information



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SIRIUS Innovations.

Technical Information

In recent years, the well proven SIRIUS family was consistently and continuously further developed and optimized, both at the product and system level.

The following pages outline the many variations of non-fused motor starter combinations and matching accessories of SIRIUS Innovations in sizes S00 and S0.

In addition, you will find details on the construction and the combinations of individual products according to the desired switching and protection method.

For information on all of the combination possibilities – among other things on motor starters visit www.usa.siemens.com/sirius-innovations.



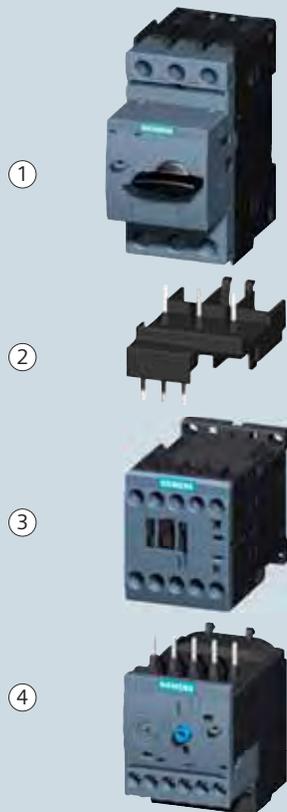
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Combination of switching and protective devices

Electromechanical controls	Fuse with contactor and overload relay	Motor starter protector for motor protection and contactor	Motor starter protector for motor protection with overload relay function and contactor	Starter motor starter protector, contactor and overload relay	Compact Starter	Motor starter protector for motor protection, contactor and current monitoring relay	Motor starter protector for motor protection with overload relay function, contactor and current monitoring relay
Short circuit							
Switching							
Overload / Monitoring							
	Fuse-protected	Non-fused					
Electronic controls	Motor starter protector for motor protection, soft starter and current monitoring relay	Starter motor starter protector, soft starter and current monitoring relay	Fuse and soft starter	Fuse and solid-state switching device	Fuse, solid-state switching device and current monitoring relay	Motor starter protector for motor protection and solid-state switching device	Motor starter protector for motor protection, solid-state switching device and current monitoring device
Short circuit							
Switching							
Overload / Monitoring							
	Non-fused		Fuse-protected			Non-fused	

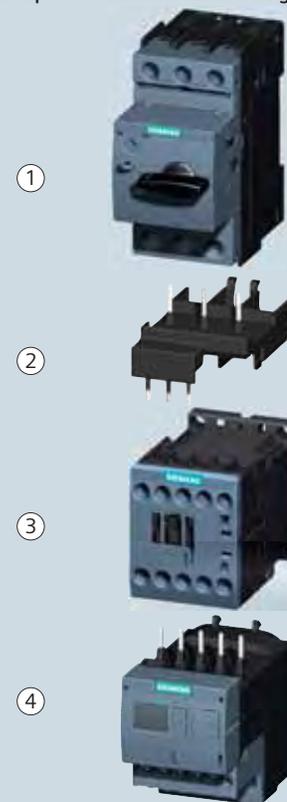
Starter combinations of motor starter protector and contactor with overload relay



Type	Screw connection	Spring-loaded connection
① Motor starter protector		
② Link module	3RA1921-1DA00	3RA2911-2AA00
③ Contactor (AC / DC)		
④ Overload relay		

► For order numbers of basic components see tabular overview on page 5

Starter combinations of motor starter protector and contactor with optional current monitoring relay

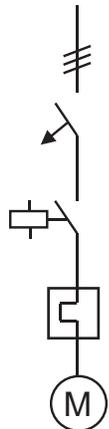


Type	Screw connection	Spring-loaded connection
① Motor starter protector		
② Link module	3RA1921-1DA00	3RA2911-2AA00
③ Contactor (AC / DC)		
④ Current monitoring relay		

► For order numbers of basic components see tabular overview on page 6

For export applications

Starter combinations: motor starter protector, contactor with overload relay



Three-phase motor 400 V/ AC-3		Motor starter protector for starter protection		Contactor			Overload relay ¹⁾		
[kW]	[A]	Setting range of thermal overload release CLASS 10 [A]	Order no.	Auxiliary contacts	Order no. Control supply voltage DC 24 V	Order no. Control supply voltage AC 230 V, 50/60 Hz	Setting range CLASS 10 [A]	Order no. Thermal	Order no. Electronic CLASS 10
0.04	0.16	-	3RV2311-0AC <input type="checkbox"/> 0				0.11 - 0.16	3RU2116-0A <input type="checkbox"/> 0	
0.06	0.2	-	3RV2311-0BC <input type="checkbox"/> 0				0.14 - 0.2	3RU2116-0B <input type="checkbox"/> 0	
0.06	0.25	-	3RV2311-0CC <input type="checkbox"/> 0				0.18 - 0.25	3RU2116-0C <input type="checkbox"/> 0	3RB3016-1R <input type="checkbox"/> 0 (0,1 - 0,4 A)
0.09	0.32	-	3RV2311-0DC <input type="checkbox"/> 0				0.22 - 0.32	3RU2116-0D <input type="checkbox"/> 0	
0.09	0.4	-	3RV2311-0EC <input type="checkbox"/> 0				0.28 - 0.4	3RU2116-0E <input type="checkbox"/> 0	
0.12	0.5	-	3RV2311-0FC <input type="checkbox"/> 0				0.35 - 0.5	3RU2116-0F <input type="checkbox"/> 0	
0.18	0.63	-	3RV2311-0GC <input type="checkbox"/> 0				0.45 - 0.63	3RU2116-0G <input type="checkbox"/> 0	
0.18	0.8	-	3RV2311-0HC <input type="checkbox"/> 0				0.55 - 0.8	3RU2116-0H <input type="checkbox"/> 0	3RB3016-1N <input type="checkbox"/> 0 (0,32 - 1,25 A)
0.25	1	-	3RV2311-0JC <input type="checkbox"/> 0				0.7 - 1	3RU2116-0J <input type="checkbox"/> 0	
0.37	1.25	-	3RV2311-0KC <input type="checkbox"/> 0	1NC	3RT2015- <input type="checkbox"/> BB42	3RT2015- <input type="checkbox"/> AP02	0.9 - 1.25	3RU2116-0K <input type="checkbox"/> 0	
0.55	1.6	-	3RV2311-1AC <input type="checkbox"/> 0	1NO	3RT2015- <input type="checkbox"/> BB41	3RT2015- <input type="checkbox"/> AP01	1.1 - 1.6	3RU2116-1A <input type="checkbox"/> 0	
0.75	2	-	3RV2311-1BC <input type="checkbox"/> 0				1.4 - 2	3RU2116-1B <input type="checkbox"/> 0	
0.75	2.5	-	3RV2311-1CC <input type="checkbox"/> 0				1.8 - 2.5	3RU2116-1C <input type="checkbox"/> 0	3RB3016-1P <input type="checkbox"/> 0 (1 - 4 A)
1.1	3.2	-	3RV2311-1DC <input type="checkbox"/> 0				2.2 - 3.2	3RU2116-1D <input type="checkbox"/> 0	
1.5	4	-	3RV2311-1EC <input type="checkbox"/> 0				2.8 - 4	3RU2116-1E <input type="checkbox"/> 0	
1.5	5	-	3RV2311-1FC <input type="checkbox"/> 0				3.5 - 5	3RU2116-1F <input type="checkbox"/> 0	
2.2	6.3	-	3RV2311-1GC <input type="checkbox"/> 0				4.5 - 6.3	3RU2116-1G <input type="checkbox"/> 0	3RB3016-1S <input type="checkbox"/> 0 (3 - 12 A)
3	8	-	3RV2311-1HC <input type="checkbox"/> 0				5.5 - 8	3RU2116-1H <input type="checkbox"/> 0	
4	10	-	3RV2311-1JC <input type="checkbox"/> 0				7 - 10	3RU2116-1J <input type="checkbox"/> 0	
5.5	12.5	-	3RV2311-1KA <input type="checkbox"/> 0	1NC	3RT2016- <input type="checkbox"/> BB42	3RT2016- <input type="checkbox"/> AP02	9 - 12.5	3RU2116-1K <input type="checkbox"/> 0	3RB3016-1T <input type="checkbox"/> 0 (4 - 16 A)
		-		1NO	3RT2016- <input type="checkbox"/> BB41	3RT2016- <input type="checkbox"/> AP01			
		-		1NC	3RT2017- <input type="checkbox"/> BB42	3RT2017- <input type="checkbox"/> AP02			
		-		1NO	3RT2017- <input type="checkbox"/> BB41	3RT2017- <input type="checkbox"/> AP01			
		-		1NC	3RT2018- <input type="checkbox"/> BB42	3RT2018- <input type="checkbox"/> AP02			
		-		1NO	3RT2018- <input type="checkbox"/> BB41	3RT2018- <input type="checkbox"/> AP01			
7.5	16	-	3RV2311-4AA <input type="checkbox"/> 0				11 - 16	3RU2116-4A <input type="checkbox"/> 0	

1) Direct mounting on contactor, screw and spring-loaded connection possible
2) Voltages on request

Screw connection: 1
Spring-loaded connection: 2

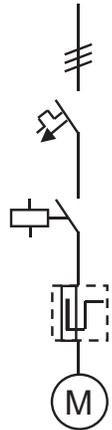
Screw connection: 1
Spring-loaded connection: 2
Ring lug terminal connection²⁾: 4

Screw connection: B
Spring-loaded connection: C
Ring lug terminal connection: J

Screw connection: B
Spring-loaded connection: E

For domestic applications

Starter combinations: motor starter protector, contactor with optional current monitoring relay



Three-phase motor 460 V/AC-3		Motor starter protector for motor protection	
[HP]	[A]	Setting range of thermal overload release CLASS 10 [A]	Order no.
—	0.16	0.11 – 0.16	3RV2011-0AA□0
—	0.2	0.14 – 0.2	3RV2011-0BA□0
—	0.25	0.18 – 0.25	3RV2011-0CA□0
—	0.32	0.22 – 0.32	3RV2011-0DA□0
—	0.4	0.28 – 0.4	3RV2011-0EA□0
—	0.5	0.35 – 0.5	3RV2011-0FA□0
—	0.63	0.45 – 0.63	3RV2011-0GA□0
—	0.8	0.55 – 0.8	3RV2011-0HA□0
—	1	0.7 – 1	3RV2011-0JA□0
0.5	1.25	0.9 – 1.25	3RV2011-0KA□0
0.75	1.6	1.1 – 1.6	3RV2011-1AA□0
0.75	2	1.4 – 2	3RV2011-1BA□0
1	2.5	1.8 – 2.5	3RV2011-1CA□0
1.5	3.2	2.2 – 3.2	3RV2011-1DA□0
2	4	2.8 – 4	3RV2011-1EA□0
3	5	3.5 – 5	3RV2011-1FA□0
3	6.3	4.5 – 6.3	3RV2011-1GA□0
5	8	5.5 – 8	3RV2011-1HA□0
5	10	7 – 10	3RV2011-1JA□0
7.5	12.5	9 – 12.5	3RV2011-1KA□0
10	16	11 – 16	3RV2011-4AA□0

Contactor		
Aux. contacts	Order no.	Order no.
Control supply voltage DC 24 V		
110/120 V AC, 50/60 Hz		
1NC	3RT2015-□BB42	3RT2015-□AK62
1NO	3RT2015-□BB41	3RT2015-□AK61
1NC	3RT2016-□BB42	3RT2016-□AK62
1NO	3RT2016-□BB41	3RT2016-□AK61
1NC	3RT2017-□BB42	3RT2017-□AK62
1NO	3RT2017-□BB41	3RT2017-□AK61
1NC	3RT2018-□BB42	3RT2018-□AK62
1NO	3RT2018-□BB41	3RT2018-□AK61

Current monitoring relay		
Measurement range	Order no. Basic (analog setting)	Order no. Standard (digital setting)
[A]		
1.6 – 16	3RR2141-□A□30	3RR2241-□F□30

2) Voltages on request

Screw connection: 1
Spring-loaded connection: 2
Ring lug terminal connection: 4

Screw connection: 1
Spring-loaded connection: 2
Ring lug terminal connection²⁾: 4

Screw connection: 1
Spring-loaded connection: 2
24V AC/DC: A
24...240V AC/DC: W

Design up to 10 HP (S00)

Starter combinations: motor starter protector, soft starter with optional current monitoring relay (for stand-alone mounting)



Type	Screw connection	Spring-loaded connection
① Motor starter protector		
② Link module	3RA2921-1BA00	3RA2911-2GA00
③ Soft starter		
④ Terminal bracket for stand-alone installation	3RU29 16-3AA01	3RU29 16-3AC01
⑤ Current monitoring relay		

For use of a 3RR2 current monitoring relay with a 3RW30/40 soft starter, a stand-alone adapter is necessary for the 3RR2. During ramp-up and ramp-down time (phase angle control) the monitoring relay may not be active:
 3RW30: After ramp-up, activate the 3RR2 monitoring relay via a timing relay
 3RW40: Activate/de-activate the 3RR2 monitoring relay via BYPASS output (ramp-up signal)

► For order numbers of basic components see tabular overview on page 8

Non-fused, electronic switching design

Starter combinations: motor starter protector, solid-state switching device with optional current monitoring relay

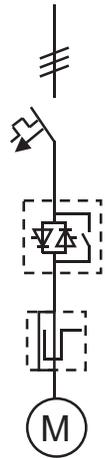


Type	Screw connection	Spring-loaded connection
① Motor starter protector		
② Link module	3RA2921-1BA00	—
③ Soft starter		
④ Terminal bracket for stand-alone installation	3RU29 16-3AA01	3RU29 16-3AC01
⑤ Current monitoring relay		

See footnote 1) & 4) on the bottom of page 9 for connection requirements.

► For order numbers of basic components see tabular overview on page 9

Starter combinations: motor starter protector, soft starter with optional current monitoring relay (for stand-alone mounting)



Three-phase motor 460 V/AC-3		Motor starter protector		Soft starter ¹⁾		Current monitoring relay ²⁾			
[HP]	[A]	Setting range of thermal overload release CLASS 10	Order no.	Rated operating current	Order no.	Order no.	Measurement range	Order no. Basic (analog setting)	Order no. Standard (digital setting)
		[A]		[A]	Control supply voltage AC/DC 24 V	Control supply voltage AC/DC 110–230 V	[A]		
—	0.16	0.11 – 0.16	3RV2011-0AA <input type="checkbox"/> 0						
—	0.2	0.14 – 0.2	3RV2011-0BA <input type="checkbox"/> 0						
—	0.25	0.18 – 0.25	3RV2011-0CA <input type="checkbox"/> 0						
—	0.32	0.22 – 0.32	3RV2011-0DA <input type="checkbox"/> 0						
—	0.4	0.28 – 0.4	3RV2011-0EA <input type="checkbox"/> 0						
—	0.5	0.35 – 0.5	3RV2011-0FA <input type="checkbox"/> 0						
—	0.63	0.45 – 0.63	3RV2011-0GA <input type="checkbox"/> 0						
—	0.8	0.55 – 0.8	3RV2011-0HA <input type="checkbox"/> 0	3.6	3RW3013- <input type="checkbox"/> BB04	3RW3013- <input type="checkbox"/> BB14			
—	1	0.7 – 1	3RV2011-0JA <input type="checkbox"/> 0						
0.5	1.25	0.9 – 1.25	3RV2011-0KA <input type="checkbox"/> 0						
0.75	1.6	1.1 – 1.6	3RV2011-1AA <input type="checkbox"/> 0						
0.75	2	1.4 – 2	3RV2011-1BA <input type="checkbox"/> 0						
1	2.5	1.8 – 2.5	3RV2011-1CA <input type="checkbox"/> 0						
1.5	3.2	2.2 – 3.2	3RV2011-1DA <input type="checkbox"/> 0						
2	4	2.8 – 4	3RV2011-1EA <input type="checkbox"/> 0						
3	5	3.5 – 5	3RV2011-1FA <input type="checkbox"/> 0	6.5	3RW3014- <input type="checkbox"/> BB04	3RW3014- <input type="checkbox"/> BB14			
3	6.3	4.5 – 6.3	3RV2011-1GA <input type="checkbox"/> 0						
5	8	5.5 – 8	3RV2011-1HA <input type="checkbox"/> 0	9	3RW3016- <input type="checkbox"/> BB04	3RW3016- <input type="checkbox"/> BB14			
5	10	7 – 10	3RV2011-1JA <input type="checkbox"/> 0						
7.5	12.5	9 – 12.5	3RV2011-1KA <input type="checkbox"/> 0	12.5	3RW3017- <input type="checkbox"/> BB04	3RW3017- <input type="checkbox"/> BB14			
10	16	11 – 16	3RV2011-4AA <input type="checkbox"/> 0	17.6	3RW3018- <input type="checkbox"/> BB04	3RW3018- <input type="checkbox"/> BB14			
							1.6 – 16	3RR2141- <input type="checkbox"/> A <input type="checkbox"/> 30	3RR2241- <input type="checkbox"/> F <input type="checkbox"/> 30

1) Rated operating voltage 200 ... 480 V
 2) In connection with a soft starter, current monitoring relays must be used with a relay stand-alone mounting.
 Screw connection type: 3RU2916-3AA01
 Spring-loaded connection type: 3RU2916-3AC01

Screw connection: 1
 Spring-loaded connection: 2
 Ring lug terminal connection: 4

Screw connection: 1
 Spring-loaded connection: 2

Screw connection: 1
 Spring-loaded connection: 2
 24 V AC/DC: A
 24...240 V AC/DC: W

Starter combinations: motor starter protector and solid-state switching devices with optional current monitoring relay



Three-phase motor 460 V/AC-3		Motor starter protector	
[HP]	[A]	Setting range of thermal overload release CLASS 10 [A]	Order no.
—	0.16	0.11 – 0.16	3RV2011-0AA □0
—	0.2	0.14 – 0.2	3RV2011-0BA □0
—	0.25	0.18 – 0.25	3RV2011-0CA □0
—	0.32	0.22 – 0.32	3RV2011-0DA □0
—	0.4	0.28 – 0.4	3RV2011-0EA □0
—	0.5	0.35 – 0.5	3RV2011-0FA □0
—	0.63	0.45 – 0.63	3RV2011-0GA □0
—	0.8	0.55 – 0.8	3RV2011-0HA □0
—	1	0.7 – 1	3RV2011-0JA □0
0.5	1.25	0.9 – 1.25	3RV2011-0KA □0
0.75	1.6	1.1 – 1.6	3RV2011-1AA □0
0.75	2	1.4 – 2	3RV2011-1BA □0
1	2.5	1.8 – 2.5	3RV2011-1CA □0
1.5	3.2	2.2 – 3.2	3RV2011-1DA □0
2	4	2.8 – 4	3RV2011-1EA □0
3	5	3.5 – 5	3RV2011-1FA □0
3	6.3	4.5 – 6.3	3RV2011-1GA □0
5	8	5.5 – 8	3RV2011-1HA □0
5	10	7 – 10	3RV2011-1JA □0
7.5	12.5	9 – 12.5	3RV2011-1KA □0
10	16	11 – 16	3RV2011-4AA □0

Solid-state contactor		
Rated operating current [A]	Order no. DC 24 V	Order no. AC 110 – 230 V, 50/60 Hz
5.2	3RF3405-□BB04	3RF3405-□BB24
9.2	3RF3410-□BB04 ²⁾	3RF3410-□BB24 ²⁾
12.5	3RF3412-□BB04 ²⁾	3RF3412-□BB24 ²⁾
16	3RF3416-□BB04 ²⁾	3RF3416-□BB24 ²⁾

Current monitoring relay ¹⁾		
Measurement range [A]	Order no. Basic (analog setting)	Order no. Standard (digital setting)
1.6 – 16	3RR2141-□A□30	3RR2241-□F□30
4 – 16	3RR2142-□A30 ⁴⁾	3RR2242-□F□30 ⁴⁾

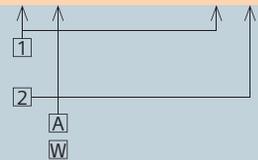
- 1) In connection with a solid-state switching device, a current monitoring relay of size 500 must be used with the terminal bracket for stand-alone mounting. Screw connection type: 3RU2916-3AA01 Spring-loaded connection type: 3RU2916-3AA01
- 2) Overall width 90 mm
- 3) Rated operating voltage U_e 48 ... 480 V
- 4) Can be directly mounted on solid-state contactor with screw connection using a 3RF3900-0QA88 adapter plug. Spring loaded connection types require the terminal bracket for stand-alone mounting: 3RU2926-3AC01

Screw connection: 1
Spring-loaded connection: 2
Ring lug terminal connection: 4

Screw connection: 1
Spring-loaded connection: 2

Solid-state reversing contactor ³⁾		
3.8	3RF3403-1BD04	3RF3403-1BD24
5.4	3RF3405-1BD04	3RF3405-1BD24
7.4	3RF3410-1BD04 ²⁾	3RF3410-1BD24 ²⁾

Screw connection: 1
Spring-loaded connection: 2
24V AC/DC: A
24...240V AC/DC: W



30 HP (S0) design

Starter combinations:
motor starter protector, contactor
and overload relay



Type	Screw connection	Spring-loaded connection
① Motor starter protector		
② Link module ^{1) 2)}	AC 3RA2921-1AA00 DC 3RA2921-1BA00	3RA2921-2AA00 3RA2921-2AA00
③ Contactor		
④ Overload relay		

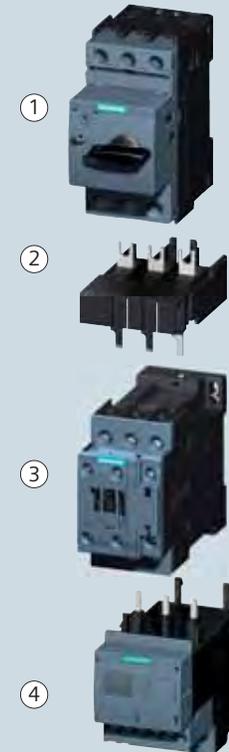
1) Max. 32 A

2) No ring lug terminal link modules available

► For order numbers of basic components see tabular overview on page 11

Non-fused, electromechanical switching design

Starter combinations:
motor starter protector, contactor with
optional current monitoring relay

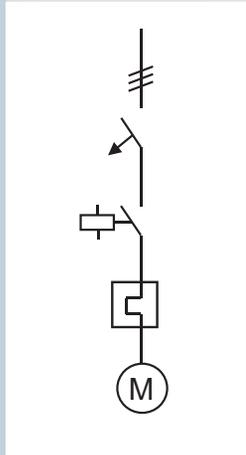


Type	Screw connection	Spring-loaded connection
① Motor starter protector		
② Link module ^{1) 2)}	AC 3RA2921-1AA00 DC 3RA2921-1BA00	3RA2921-2AA00 3RA2921-2AA00
③ Contactor		
④ Current monitoring relay		

► For order numbers of basic components see tabular overview on page 11

For export applications

Starter combinations:
motor starter protector,
contactor and overload relay



Three-phase motor 400V/AC-3 [kW] [A]		Motor starter protector for starter protection	Contactor	Overload relay
[kW]	[A]	Thermal overload release	Aux. contacts	Setting range CLASS 10 [A]
		Order no.	Order no.	Order no.
7.5	16	–	1NO+1NC	11 – 16
7.5	20	–	1NO+1NC	14 – 20
11	22	–	1NO+1NC	17 – 22
11	25	–	1NO+1NC	20 – 25
15	28	–	1NO+1NC	23 – 28
15	32	–	1NO+1NC	27 – 32
18.5	36	–	1NO+1NC	30 – 36
18.5	40	–	1NO+1NC	34 – 40

Screw connection: 1
Spring-loaded connection 2): 2

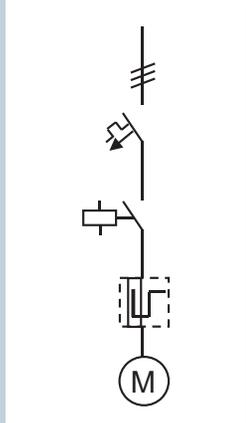
Screw connection: 1
Spring-loaded connection 3): 2
Ring lug terminal connection 4): 4

UC 21 ... 28 V: B
UC 95 ... 130 V: F
UC 200 ... 280 V: P

Screw connection: B
Spring-loaded connection: C
Ring lug terminal connection: J

Screw connection: B
Spring-loaded connection: E

For domestic applications
Starter combinations:
motor starter protector,
contactor with optional
current monitoring relay



Three-phase motor 460V/AC-3 [HP] [A]		Motor starter protector f. motor protection	Contactor	Current monitoring relay
[HP]	[A]	Thermal overload release [A]	Aux. contacts	Measure- ment range [A]
		Order no.	Order no.	Order no.
10	16	11 – 16	1NO+1NC	
10	20	14 – 20	1NO+1NC	
15	22	17 – 22	1NO+1NC	
15	25	20 – 25	1NO+1NC	4 – 40
20	28	23 – 28	1NO+1NC	
20	32	27 – 32	1NO+1NC	
25	36	30 – 36	1NO+1NC	
30	40	34 – 40	1NO+1NC	

Screw connection: 1
Spring-loaded connection 2): 2
Ring lug terminal connection 2): 4

Screw connection: 1
Spring-loaded connection 3): 2
Ring lug terminal connection 4): 4

UC 21 ... 28 V: B
UC 95 ... 130 V: F
UC 200 ... 280 V: P

Screw connection: 1
Spring-loaded connection: 2
24 V AC/DC: A
24...240 V AC/DC: W

- 2) Max. 32 A
- 3) Max. 38 A
- 4) Voltages on request

Starter combinations:
 motor starter protector,
 3RW30 soft starter with
 optional current monitoring
 relay (for stand-alone
 mounting)



Type	Screw connection	Spring-loaded connection
① Motor starter protector		
② Link module	3RA2921-1BA00	3RA2911-2GA00
③ Soft starter		
④ Terminal bracket for stand-alone installation	3RU29 26-3AA01	3RU29 26-3AC01
⑤ Current monitoring relay		

For use of a 3RR2 current monitoring relay with a 3RW30/40 soft starter, a stand-alone adapter is necessary for the 3RR2. During ramp-up and ramp-down time (phase angle control) the monitoring relay may not be active:
 3RW30: After ramp-up, activate the 3RR2 monitoring relay via a timing relay
 3RW40: Activate/de-activate the 3RR2 monitoring relay via BYPASS output (ramp-up signal)

1) Only suitable up to 32 A

► For order numbers of basic components see tabular overview on page 13

Starter combinations:
 3RW40 soft starter (integrated
 electronic overload relay) with
 optional current monitoring
 relay (for stand-alone
 mounting)



Type	Screw connection	Spring-loaded connection
① Motor starter protector		
② Link module	3RA2921-1BA00	3RA2911-2GA00
③ Soft starter		
④ Terminal bracket for stand-alone installation	3RU29 26-3AA01	3RU29 26-3AC01
⑤ Current monitoring relay		

► For order numbers of basic components see tabular overview on page 13

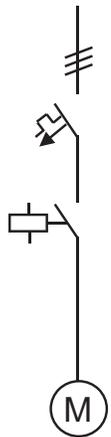
Non-fused motor starters

Direct-on-line starter,
fully preassembled,
electromechanical



3RA21 direct-on-line starter

Three-phase motor 400 V/AC-3		Setting range of thermal overload release
[kW]	[A]	[A]
0.06	0.20	0.14 – 0.2
0.06	0.25	0.18 – 0.25
0.09	0.32	0.22 – 0.32
0.09	0.40	0.28 – 0.4
0.12	0.50	0.35 – 0.5
0.18	0.63	0.45 – 0.63
0.18	0.80	0.55 – 0.8
0.25	1.0	0.7 – 1
0.37	1.25	0.9 – 1.25
0.55	1.6	1.1 – 1.6
0.75	2.0	1.4 – 2
0.75	2.5	1.8 – 2.5
1.1	3.2	2.2 – 3.2
1.5	4.0	2.8 – 4
1.5	5.0	3.5 – 5
2.2	6.3	4.5 – 6.3
3	8	5.5 – 8
4	10	7 – 10
5.5	12.5	9 – 12.5
7.5	16	11 – 16
7.5	20	14 – 20
11	22	17 – 22
11	25	20 – 25
15	32	27 – 32



3RA2110-0B	15-1	S00
3RA2110-0C	15-1	S00
3RA2110-0D	15-1	S00
3RA2110-0E	15-1	S00
3RA2110-0F	15-1	S00
3RA2110-0G	15-1	S00
3RA2110-0H	15-1	S00
3RA2110-0J	15-1	S00
3RA2110-0K	15-1	S00
3RA2110-1A	15-1	S00
3RA2110-1B	15-1	S00
3RA2110-1C	15-1	S00
3RA2110-1D	15-1	S00
3RA2110-1E	15-1	S00
3RA2110-1F	15-1	S00
3RA2110-1G	15-1	S00
3RA2110-1H	16-1	S00
3RA2110-1J	16-1	S00
3RA2110-1K	17-1	S00
3RA2120-4A	26-0	S0
3RA2120-4B	26-0	S0
3RA2120-4C	27-0	S0
3RA2120-4D	27-0	S0
3RA2120-4E	27-0	S0



3RA61 Compact Starter

Setting range of thermal overload release	Coordination type 2 CPS ¹⁾
[A]	
0.1 – 0.4	3RA6120-□A□3□
0.32 – 1.25	3RA6120-□B□3□
1 – 4	3RA6120-□C□3□
3 – 12	3RA6120-□D□3□
8 – 32	3RA6120-□E□3□

1) CPS: Control and protective switching device, IEC/EN 60947-6-2

2) If used in the 3RA68 Infeed system, please use 3 instead of 2. If used with AS-i module, please use "4" instead of "2".

Screw connection (for mounting onto DIN rail):

Spring-loaded connection (for mounting onto DIN rail):

Screw connection (busbar adapter):

Spring-loaded connection (busbar adapter):

A

E

D

H

24 V DC:

120 V AC:

B B 4

A K 6

Without terminals:

With screw connection:

With spring-loaded connection:

24 V AC/DC

42 ... 70 V AC/DC

110 ... 240 V AC/DC

0

1

2

B

E

P

0

2²⁾

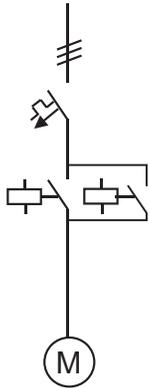
2²⁾

Reversing starter,
fully preassembled



3RA22 reversing starter

3RA62 Compact Starter



Three-phase motor 400 V/AC-3		Setting range of thermal overload release
[kW]	[A]	[A]
0.06	0.20	0.14 – 0.2
0.06	0.25	0.18 – 0.25
0.09	0.32	0.22 – 0.32
0.09	0.40	0.28 – 0.4
0.12	0.50	0.35 – 0.5
0.18	0.63	0.45 – 0.63
0.18	0.80	0.55 – 0.8
0.25	1.0	0.7 – 1
0.37	1.25	0.9 – 1.25
0.55	1.6	1.1 – 1.6
0.75	2.0	1.4 – 2
0.75	2.5	1.8 – 2.5
1.1	3.2	2.2 – 3.2
1.5	4.0	2.8 – 4
1.5	5.0	3.5 – 5
2.2	6.3	4.5 – 6.3
3	8	5.5 – 8
4	10	7 – 10
5.5	12.5	9 – 12.5
7.5	16	11 – 16
7.5	20	14 – 20
11	22	17 – 22
11	25	20 – 25
15	32	27 – 32

3RA2210-0B	□15-2	□□□	S00
3RA2210-0C	□15-2	□□□	S00
3RA2210-0D	□15-2	□□□	S00
3RA2210-0E	□15-2	□□□	S00
3RA2210-0F	□15-2	□□□	S00
3RA2210-0G	□15-2	□□□	S00
3RA2210-0H	□15-2	□□□	S00
3RA2210-0J	□15-2	□□□	S00
3RA2210-0K	□15-2	□□□	S00
3RA2210-1A	□15-2	□□□	S00
3RA2210-1B	□15-2	□□□	S00
3RA2210-1C	□15-2	□□□	S00
3RA2210-1D	□15-2	□□□	S00
3RA2210-1E	□15-2	□□□	S00
3RA2210-1F	□15-2	□□□	S00
3RA2210-1G	□15-2	□□□	S00
3RA2210-1H	□16-2	□□□	S00
3RA2210-1J	□16-2	□□□	S00
3RA2210-1K	□17-2	□□□	S00
3RA2220-4A	□26-0	□□□	S0
3RA2220-4B	□26-0	□□□	S0
3RA2220-4C	□27-0	□□□	S0
3RA2220-4D	□27-0	□□□	S0
3RA2220-4E	□27-0	□□□	S0

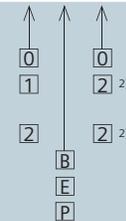
Setting range of thermal overload release	Coordination type 2 CPS ¹⁾
[A]	
0.1 – 0.4	3RA6250-□A□3□
0.32 – 1.25	3RA6250-□B□3□
1 – 4	3RA6250-□C□3□
3 – 12	3RA6250-□D□3□
8 – 32	3RA6250-□E□3□

- 1) CPS: Control and protective switching device, IEC/EN 60947-6-2
- 2) If used in the 3RA68 Infeed system, please use 3 instead of 2. If used with AS-i module, please use "4" instead of "2".

Screw connection (for mounting onto DIN rail) S00: **A**
 Screw connection (for mounting onto DIN rail) S0: **B**
 Spring-loaded connection (for mounting onto DIN rail) S00: **E**
 Spring-loaded connection (for mounting onto DIN rail) S0: **F**
 Screw connection (busbar adapter): **D**
 Spring-loaded connection (busbar adapter): **H**

24 V DC: **B B 4**
 120 V AC: **A K 6**

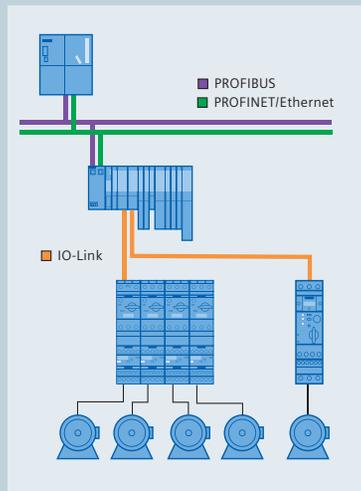
Without terminals:
 With screw connection:
 With spring-loaded connection:
 24 V AC/DC
 42 ... 70 V AC/DC
 110 ... 240 V AC/DC



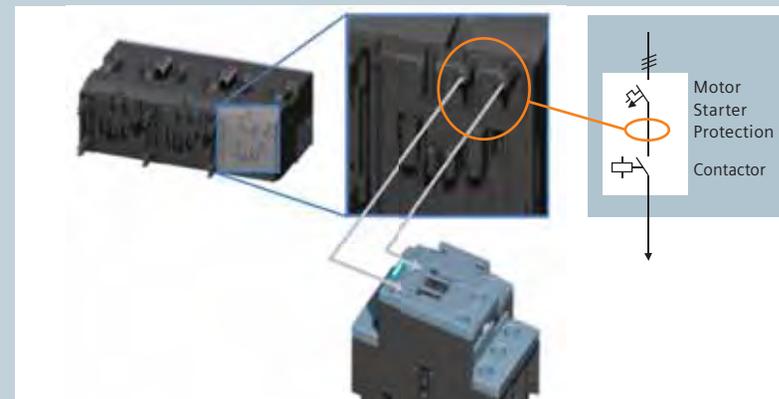
Communications – general information and contactors

Interfacing motor starters to the control system requires function modules for IO-Link or AS-i which are mounted on contactors (24V DC) with a communication interface. Depending on the version, they communicate with an IO-Link interface group or any AS-i Master.

Typical layout in the environment of IO-Link



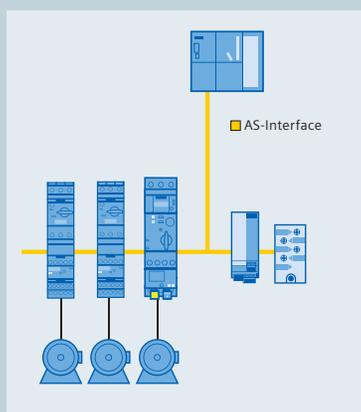
IO-Link	
Version	Order no.
ET200S electronic module, 4SI IO-Link (with 4 ports for 4 motor starters each)	6ES7 138-4GA50-0AB0
ET200S electronic module, 4SI SIRIUS (with 4 ports for 4 motor starters each)	3RK1005-0LB00-0AA0
ET200S terminal module (15mm wide)	
– With screw terminal	TM-E15S26-A1 6ES7
– With spring-loaded terminal	TM-E15C26-A1 6ES7
– With Fast Connect	TM-E15N26-A1 6ES7



Mounting principle of function modules on contactors



Typical layout in the environment of AS-Interface



AS-Interface	
Version	Order no.
CP343-2P communication processor for interfacing SIMATIC S7-300 to AS-Interface (AS-i Spec.3.0) for max. 62 motor starters	6GK7343-2AH11-0XA0
Front connector, 20-pin with screw contacts	6ES7392-1AJ00-0A00
Front connector, 20-pin with spring-loaded contacts	6ES7392-1BJ00-0AA0
DP/AS-i LINK Advanced, gateway between PROFIBUS DP and AS-Interface	
– Single master for max. 62 motor starters	6GK1415-2BA10
– Double master for max. 124 motor starters	6GK1415-2BA20
IE/AS-i LINK PN IO, gateway between PROFINET and AS-Interface	
Single master for max. 62 motor starters	6GK1411-2AB10
Double master for max. 124 motor starters	6GK1411-2AB20
AS-Interface power supply unit IP20	
– 120/230 V AC 3A	3RX9501-0BA00
– 24 V DC 3A	3RX9501-1BA00
– 120/230 V AC 5A	3RX9502-0BA00
– 120/230 V AC 8A	3RX9503-1BA00

Three-phase motor 460 V/AC-3

[HP]	[A]
3	7
5	9
7.5	12
10	16
7.5	12
10	12
15	25
20	32
25	38

S00 contactor with communication interface

Auxiliary contacts
Control supply voltage
Order no.
DC 24 V

1NC	3RT2015-□BB42-0CC0
1NO	3RT2015-□BB41-0CC0
1NC	3RT2016-□BB42-0CC0
1NO	3RT2016-□BB41-0CC0
1NC	3RT2017-□BB42-0CC0
1NO	3RT2017-□BB41-0CC0
1NC	3RT2018-□BB42-0CC0
1NO	3RT2018-□BB41-0CC0

S0 contactor with communication interface

1NO+1NC	3RT2024-□BB40-0CC0
1NO+1NC	3RT2025-□BB40-0CC0
1NO+1NC	3RT2026-□BB40-0CC0
1NO+1NC	3RT2027-□BB40-0CC0
1NO+1NC	3RT2028-□BB40-0CC0

Screw connection:



Spring-loaded connection:



Function modules for mounting on 3RT2 contactors and for interfacing with the control system

Parallel wiring	IO-Link	AS-Interface
		
Direct-on-line start	Direct-on-line start^{1) 2)}	Direct-on-line start^{1) 2)}
Order no.	Order no.	Order no.
On-delay 3RA2811-□CW10	Function module 3RA2711-□AA00	Function module 3RA2712-□AA00
Off-delay (with auxiliary voltage) 3RA2812-□DW10		
Reversing start	Reversing start^{1) 2) 3)}	Reversing start^{1) 2) 3)}
Order no.	Order no.	Order no.
Wiring kit for contactors S00 3RA2913-2AA□	Function module 3RA2711-□BA00	Function module 3RA2712-□BA00
Wiring kit for contactors with screw connection S0 3RA2923-2AA□	Wiring kit for contactors S00 3RA2913-2AA□	Wiring kit for contactors S00 3RA2913-2AA□
	Wiring kit for contactors S0 3RA2923-2AA□	Wiring kit for contactors S0 3RA2923-2AA□
Wye-delta start	Wye-delta start^{1) 2) 4)}	Star-delta start^{1) 2) 4)}
Order no.	Order no.	Order no.
Function module ⁴⁾ 3RA2816-0EW20	Function module 3RA2711-□CA00	Function module 3RA2712-□CA00
Wiring kit for contactors ¹⁾ S00 3RA2913-2BB□	Wiring kit for contactors S00 3RA2913-2BB□	Wiring kit for contactors S00 3RA2913-2BB□
Wiring kit for contactors ¹⁾ S0 3RA2923-2BB□	Wiring kit for contactors S0 3RA2923-2BB□	Wiring kit for contactors S0 3RA2923-2BB□

Screw connection: 	Screw connection: 	Screw connection: 
Spring-loaded connection: 	Spring-loaded connection: 	Spring-loaded connection: 

The above shown contactor assemblies can be combined with motor starter protector, overload and current monitoring relay (see the descriptions on previous pages)

1) The wiring modules for control circuit are not required when using function modules with communications interface

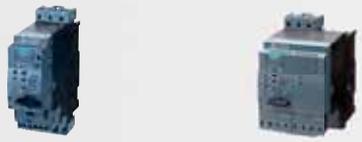
2) The contactor upon which the basic module is fitted must be selected as a communication contactor (see page 16)

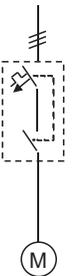
3) Consisting of 1 basic module and 1 interface module

4) Consisting of 1 basic module and 2 interface modules

Communications – Compact Starter

IO-Link



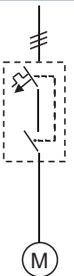
	Setting range of thermal overload release	3RA64 direct-on-line starter ²⁾	3RA65 reversing starter ²⁾
		Coordination type 2 / CPS ¹⁾	Coordination type 2 / CPS ¹⁾
	[A]	24 V DC	24 V AC/DC
	0.1 – 0.4	3RA6400- <input type="checkbox"/> AB42	3RA6500- <input type="checkbox"/> AB42
	0.32 – 1.25	3RA6400- <input type="checkbox"/> BB42	3RA6500- <input type="checkbox"/> BB42
	1 – 4	3RA6400- <input type="checkbox"/> CB42	3RA6500- <input type="checkbox"/> CB42
	3 – 12	3RA6400- <input type="checkbox"/> DB42	3RA6500- <input type="checkbox"/> DB42
8 – 32	3RA6400- <input type="checkbox"/> EB42	3RA6500- <input type="checkbox"/> EB42	



Accessories for Compact Starter with IO-Link and 3RA27 function module	
Ribbon cable, 14-pin, 8 cm, for small gaps between two contactors	3RA2711-0EE02
Module connector, 14-pin, 21 cm, for wider gaps between two contactors	3RA2711-0EE03
Operator panel, (incl. enabling module and blanking cover)	3RA6935-0A
Connecting cable for control module, 2 meters	3RA6933-0A

AS-Interface



	Setting range of thermal overload release	3RA61 direct-on-line starter	3RA62 reversing starter
		Coordination type 2 / CPS ¹⁾	Coordination type 2 / CPS ¹⁾
	[A]	AC/DC 24 V	AC/DC 24
	0.1 – 0.4	3RA6120- <input type="checkbox"/> AB34	3RA6250- <input type="checkbox"/> AB34
	0.32 – 1.25	3RA6120- <input type="checkbox"/> BB34	3RA6250- <input type="checkbox"/> BB34
	1 – 4	3RA6120- <input type="checkbox"/> CB34	3RA6250- <input type="checkbox"/> CB34
	3 – 12	3RA6120- <input type="checkbox"/> DB34	3RA6250- <input type="checkbox"/> DB34
8 – 32	3RA6120- <input type="checkbox"/> EB34	3RA6250- <input type="checkbox"/> EB34	



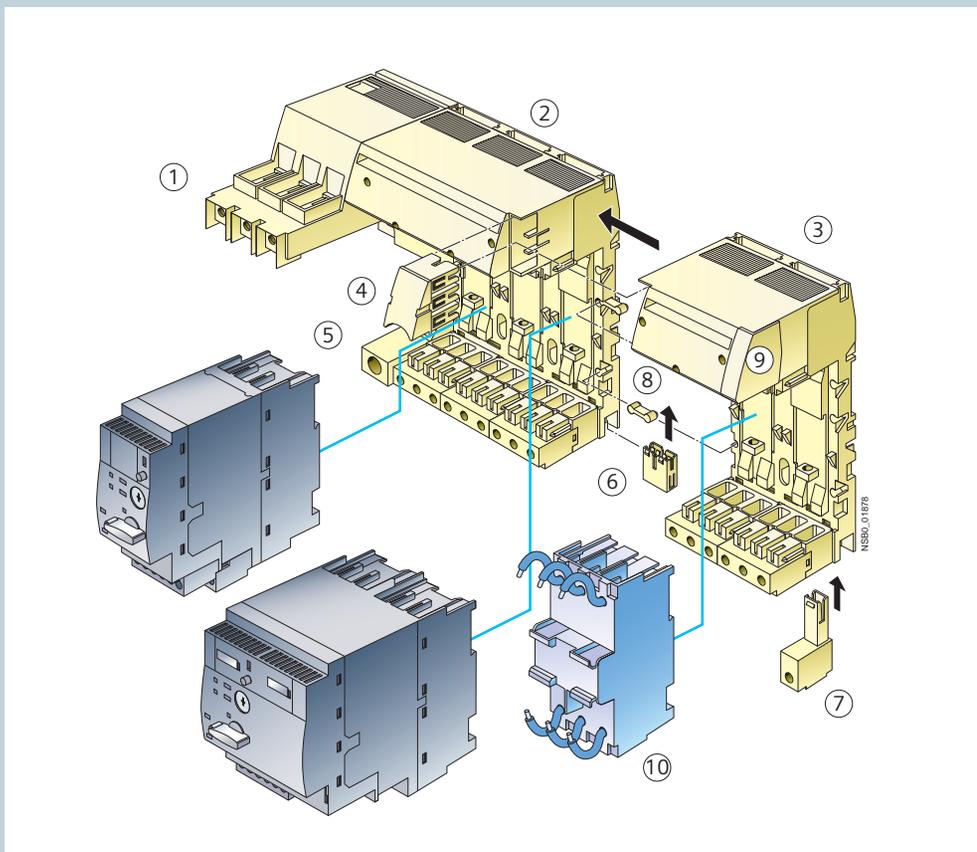
Accessories for AS-Interface	
AS-i addressing unit	3RK1904-2AB01
AS-Interface add-on modules for 3RA6 Compact Starter (24 V DC)	
Without additional inputs/outputs	3RA6970-3A
With two local inputs	3RA6970-3B
With two free external inputs	3RA6970-3C
With one free external input and output each	3RA6970-3D
With two free external outputs	3RA6970-3E

1) CPS: Control and protective switching device, IEC/EN 60947-6-2

2) For 3RA6 Compact Starter accessories for IO-Link or for use in the infeed system, please refer to the Compact Starter brochure: GCBR-A840P-0110

Screw connection: 
 Spring-loaded connection: 

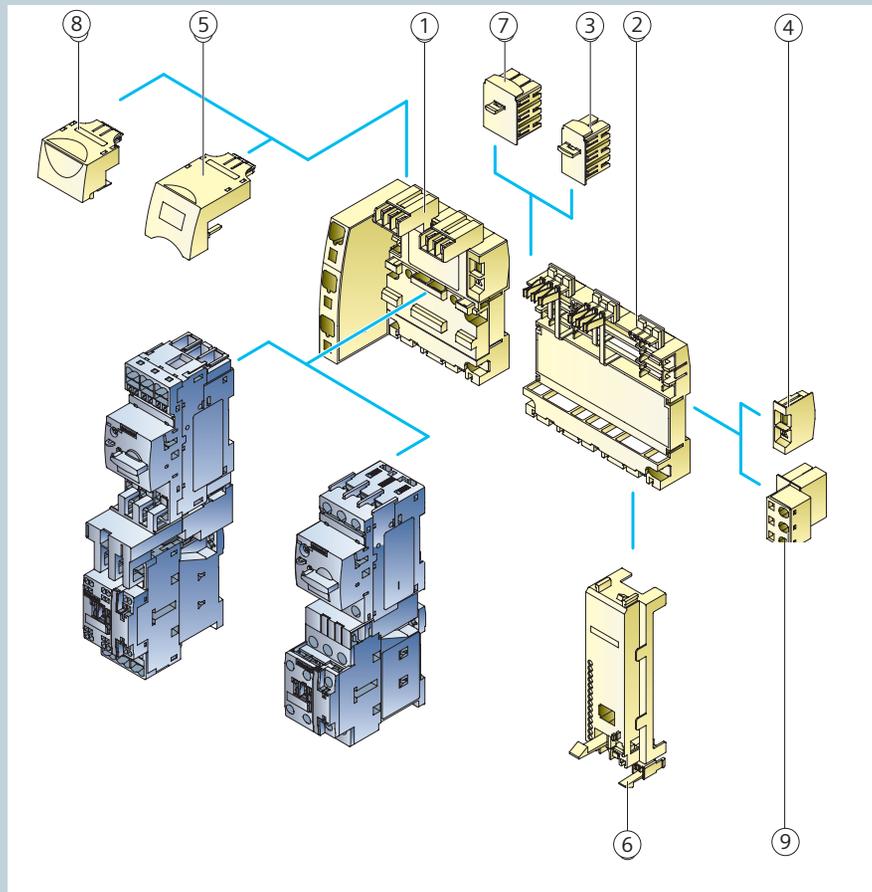
3RA68 Infeed system (Compact Starter)



Items 6 and 9 already included in the scope of delivery

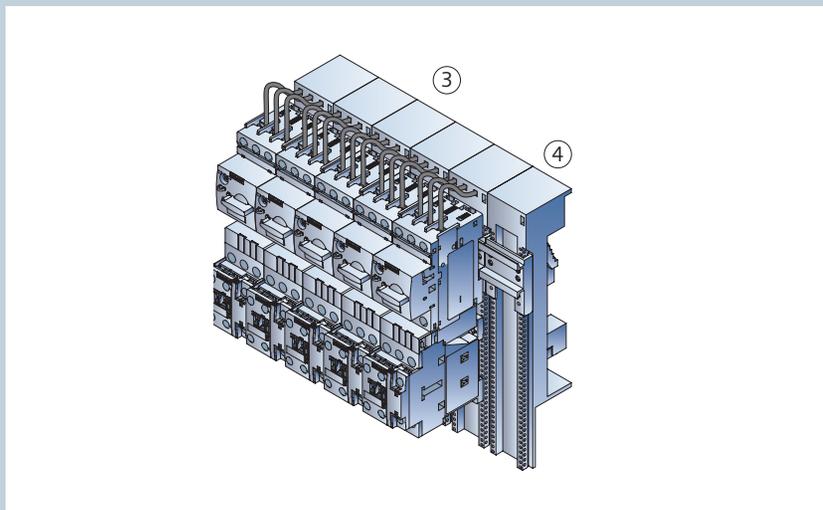
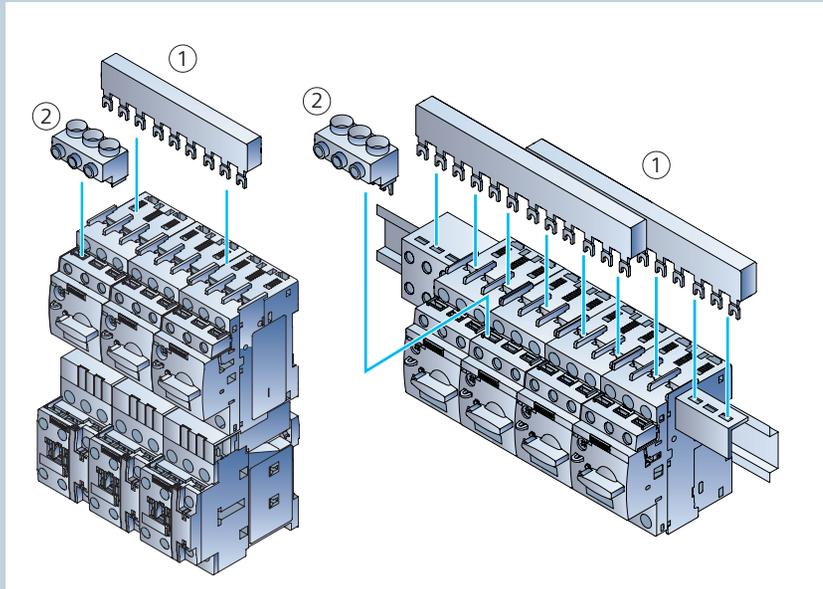
	Type	Terminal type	Order no.
①	3-phase infeeds		
	Screw-type infeed 4-2 AWG left with permanently attached triple expansion module	Screw connection	3RA6812-8AB
	Screw-type infeed 4-2 AWG left with permanently attached triple expansion module	Spring-loaded connection	3RA6812-8AC
	Screw-type infeed 0-2/0 AWG left with permanently attached triple expansion module	Screw connection	3RA6813-8AB
	Screw-type infeed 0-2/0 AWG left with permanently attached triple expansion module	Spring-loaded connection	3RA6813-8AC
	Spring-loaded infeed 4-2 AWG left or right up to 63 A		3RA6830-5AC
	Expansion modules		
③	Double expansion module with 2 slots	Screw connection	3RA6822-0AB
②	Triple expansion module with 3 slots	Screw connection	3RA6823-0AB
	Double expansion module with 2 slots	Spring-loaded connection	3RA6822-0AC
	Triple expansion module with 3 slots	Spring-loaded connection	3RA6823-0AC
④	Expansion plug		
	Expansion plug between 2 expansion modules already included in the delivery scope of the expansion modules		3RA6890-1AB
⑤	PE infeed		
	PE supply 4-2 AWG	Screw connection	3RA6860-6AB
	PE supply 4-2 AWG	Spring-loaded connection	3RA6860-5AC
⑦	PE tap-offs		
	PE tap-off 10-8 AWG	Screw connection	3RA6870-4AB
	PE tap-off 10-8 AWG	Spring-loaded connection	3RA6870-3AC
⑥	PE expansion plug		3RA6890-0EA
	Adapter for SIRIUS 3RV1 motor starter protector		
⑩	Adapter 45 mm for 3RV1 for motor starter protector with screw connection		3RA6890-0BA
	Expansion plug for SIRIUS 3RV29 Infeed system		3RA6890-1AA
	Terminal block to integrate 1-, 2- or 3-pole components	Spring-loaded connection	3RV2917-5D

3RV29 Infeed system (motor starter protector and motor starter)



Type	Version	Size for 3RV20, 3RV23 motor starter protectors	Order no.	
3-phase busbars				
①	with infeed on the left incl. end cover 3RV2917-6A	For 2 motor starter protectors	S00, S0 3RV2917-1A	
	with infeed on the right incl. end cover 3RV2917-6A	For 2 motor starter protectors	S00, S0 3RV2917-1E	
	For system expansion incl. expansion plug 3RV2917-5BA00	For 2 motor starter protectors	S00, S0 3RV2917-4A	
②	For system expansion incl. expansion plug 3RV2917-5BA00	For 3 motor starter protectors	S00, S0 3RV2917-4B	
Connector				
⑧	For contacting the motor starter protectors	Screw connection	1 pc. S00 10 pcs. S00 3RV2917-5CA00	
		Spring-loaded connection	1 pc. S00 10 pcs. S00 3RV2917-5A00	
		Screw connection	1 pc. S0 10 pcs. S0 3RV1927-5CA00	
		Spring-loaded connection	1 pc. S0 10 pcs. S0 3RV2927-5AA00	
				3RV1927-5C
				3RV2927-5A
Accessories				
⑥	Contactor base for building up direct-on-line or reversing starters	1 pc.	S00, S0 3RV2927-7AA00	
⑨	Terminal block to integrate 1-, 2- or 3-pole components		3RV2917-5D	
	DIN rail , 45 mm, to integrate other devices into the system, such as 5SY motor starter protectors		3RV1917-7B	
⑦	Wider expansion plug		3RV2917-5E	
Spare parts				
③	Expansion plug		3RV2917-5BA00	
④	End cover		3RV2917-6A	

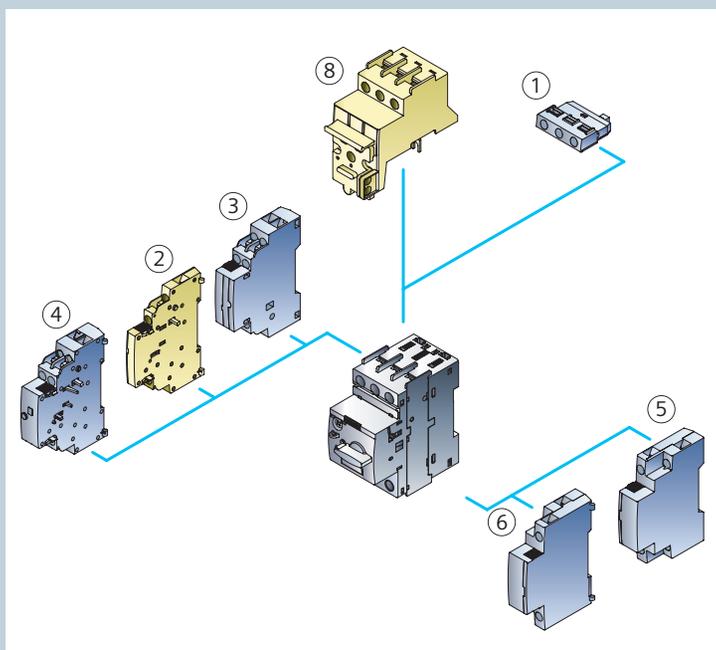
3-phase comb busbars / 8US busbar adapters for supply



Type	Size	Order no.		
1 3-phase comb busbars				
For supplying several 3RV2 motor starter protectors (screw-connected) mounted side by side on DIN rails, safe to touch		Modular spacing 45 mm	Modular spacing 55 mm	Modular spacing 63 mm
For 2 motor starter protectors	S00, S0	3RV1915-1AB	3RV1915-2AB	3RV1915-3AB
For 3 motor starter protectors	S00, S0	3RV1915-1BB	3RV1915-2BB	–
For 4 motor starter protectors	S00, S0	3RV1915-1CB	3RV1915-2CB	3RV1915-3CB
For 5 motor starter protectors	S00, S0	3RV1915-1DB	3RV1915-2DB	–
2 3-phase supply terminals				
Connection from the top	S00, S0	3RV2925-5AB		
Connection from the bottom	S00, S0	3RV2915-5B		
3-phase supply terminals to build up "type E starters"				
Connection from the top	S00, S0	3RV2925-5EB		
Accessories				
Cover caps for connecting lugs	S00, S0	3RV1915-6AB		
Touch protection for unassigned slots				

Type	Size	Version (Length)	Order no.
3 Busbar adapter for 60 mm system			
For motor starters Rated current 25A for screw connection	S00/S0	200 mm	8US1251-5DS10
For motor starters Rated current 25 A for screw connection	S00/S0	260 mm	8US1251-5DT10
For motor starters Rated current 32 A for screw connection	S00/S0	260 mm	8US1251-5NT10
For motor starters Rated current 25 A for spring-loaded connection	S00/S0	260 mm	8US1251-5DT11
For motor starters Rated current 32 A for spring-loaded connection	S00/S0	260 mm	8US1251-5NT11
4 Accessories			
Support for side mounting on busbar adapter, 45 mm wide		200 mm	8US1250-5AS10
Support for side mounting on busbar adapter, 45 mm wide		260 mm	8US1250-5AT10
Side module to widen the busbar adapter, 9 mm wide		200 mm	8US1998-2BJ10
Spacer Fixes the motor starter onto the busbar adapter			8US1998-1BA10
Vibration/shock kit To compensate strain from higher vibration and shock			8US1998-1CA10

Accessories for 3RV2 motor starter protector (S00, S0)



1) More versions on request
2) Only available as screw-connected versions

Type	Version	Order no. Screw connection	Order no. Spring-loaded connection	Order no. Ring lug terminal connection
Accessories for 3RV2 motor starter protector, size S00, S0				
1) Auxiliary and Signalling Contacts				
Front mounted auxiliary block	1CO	3RV2901-1D	–	–
	1NO + 1NC	3RV2901-1E	3RV2901-2E	3RV2901-4E
	2NO	3RV2901-1F	3RV2901-2F	–
Auxiliary switch suited for electronic components	1CO	3RV2901-1G	–	–
2) Side mounted auxiliary block with 2 contacts	1NO + 1NC	3RV2901-1A	3RV2901-2A	3RV2901-4A
	2NO	3RV2901-1B	3RV2901-2B	–
	2NC	3RV2901-1C	3RV2901-2C	–
3) Side mounted auxiliary block with 4 contacts	2NO + 2NC	3RV2901-1J	–	–
4) Signaling switch		3RV2921-1M	3RV2921-2M	3RV2921-4M
Auxiliary release				
5) Shunt trip ¹⁾	20 – 70V AC/DC	3RV2902-1DB0	3RV2902-2DB0	3RV2902-4DB0
	210 – 240 V AC	3RV2902-1DP0	3RV2902-2DP0	–
6) Undervoltage release ¹⁾	120 V AC	3RV2902-1AF0	–	–
	400 V AC	3RV2902-1AV0	3RV2902-2AV0	3RV2902-4AV0
	Undervoltage release with 2 NO leading auxiliary contacts	230...240 V AC	3RV2922-1CP0	3RV2922-2CP0
	400...440 V AC	3RV2922-1CV0	3RV2922-2CV0	–
	415...480 V AC	3RV2922-1CV1	3RV2922-2CV1	3RV2922-4CV1
Terminals for "Combination Motor Controller Type E"				
8) Isolator module		3RV2928-1A	–	–
Terminal block type E for higher creepage distances and air clearances		3RV2928-1H	–	–
Phase barriers for higher creepage distances and air clearances		3RV2928-1K	–	–
Type				
Rotary door-coupling operating mechanisms				
Rotary door-coupling operating mechanism (black) with				
Extension shaft			130 mm	3RV2926-0B
Extension shaft			330 mm	3RV2926-0K
EMERGENCY STOP rotary door-coupling operating mechanism (red/yellow) with				
Extension shaft			130 mm	3RV2926-0C
Extension shaft			330 mm	3RV2926-0L
Molded-plastic housing				
For motor starter protector (+ Side mounted auxiliary block)			54 mm	3RV1923-1CA00
For motor starter protector (+ Side mounted auxiliary block + auxiliary release)			72 mm	3RV1923-1DA00
Molded-plastic housing with EMERGENCY STOP rotary door-coupling operating mechanism				
For motor starter protector (+ Side mounted auxiliary block)			54 mm	3RV1923-1FA00
For motor starter protector (+ Side mounted auxiliary block + auxiliary release)			72 mm	3RV1923-1GA00

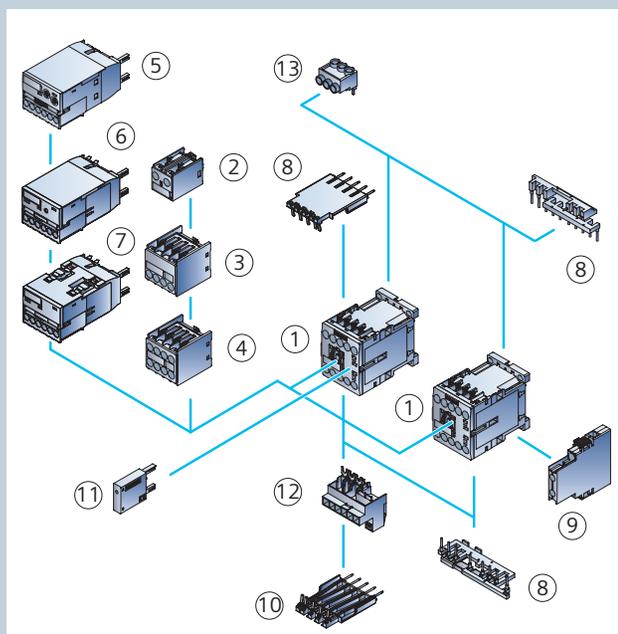
Accessories for 3RU21 thermal overload relay, 3RB30/31 electronic overload relay, 3RR21 analog current monitoring relay and 3RR22 digital current monitoring relay (S00,S0)



Version	For size	Order no.	Can be combined with the following overload and current monitoring relays			
			3RU2	3RB3	3RR21	3RR22
Terminal bracket for stand-alone mounting						
For mounting the overload relays separately	S00	3RU2916-3A□01	●	●	●	●
For screw and snap-on mounting on TH 35 DIN rail	S0	3RU2926-3A□01	●	●	●	●
Mechanical RESET consisting of:						
Reset slide, holder and funnel	S00, S0	3RU2900-1A	●			
Reset slide, holder and funnel	S00, S0	3RB3980-0A		●		
Push-button with elongated stroke (12 mm), IP65, Ø 22 mm	S00, S0	3SB3000-0EA11	●	●		
Extension tappet to even out the spacing between a push-button and the reset button of the relay	S00, S0	3SX1335	●	●		
Cable release with holder for RESET for bores Ø 6.5 mm in the control panel						
Length 400 mm	S00, S0	3RU2900-1B	●			
Length 400 mm	S00, S0	3RB3980-0B		●		
Length 600 mm	S00, S0	3RU2900-1C	●			
Length 600 mm	S00, S0	3RB3980-0C		●		
Sealable cover for 3RB20/21, transparent						
For covering the setting components	S00, S0	3RV2908-0P	●			
For covering the setting components	S00, S0	3RB3984-0		●		
For covering the setting components	S00, S0	3RR2940			●	●
Modules for remote reset, electrical						
24 ... 30 V AC/DC	S00, S0	3RU1900-2AB71	●			
110 ... 127 V AC/DC	S00, S0	3RU1900-2AF71	●			
220 ... 250 V AC/DC	S00, S0	3RU1900-2AM71	●			

Screw connection: 
 Spring-loaded connection: 

Accessories for 3RT201 contactors (S00)



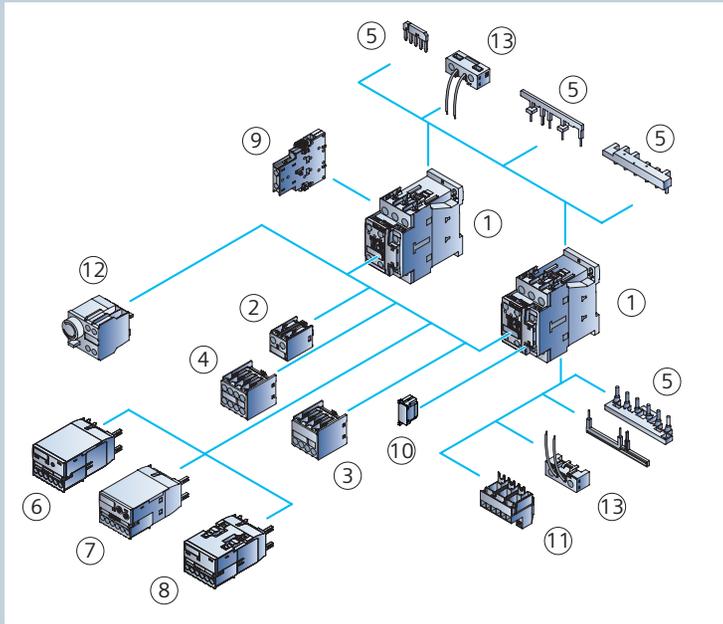
⑤ ⑥ ⑦ ⑧

Front mounting auxiliary contacts for	Version	Order no.	Order no.	Order no.	
		Screw connection	Spring-loaded connection	Ring lug terminal connection	
① 3RT2 contactors	Standard	see tabular overview on page 5ff.			
	Communication	see page 16			
② 1-pole auxiliary contact block, cable entry from the top	1NO	3RH2911-1AA10	-	-	
	1NC	3RH2911-1AA01	-	-	
2-pole auxiliary contact block, cable entry from the top	1NO + 1NC	3RH2911-1LA11	-	-	
	2NO	3RH2911-1LA20	-	-	
1-pole auxiliary contact block, cable entry from the bottom	1NO	3RH2911-1BA10	-	-	
	1NC	3RH2911-1BA01	-	-	
③ 2-pole auxiliary contact block, cable entry from the bottom	1NO + 1NC	3RH2911-1MA11	-	-	
	2NO	3RH2911-1MA20	-	-	
④ 4-pole auxiliary contact blocks ¹⁾ , (in compliance with DIN EN 50 012 and DIN EN 50 005)	1NC	3RH2911-1HA01	3RH2911-2HA01	3RH2911-4HA01	
	2NC	3RH2911-1HA02	3RH2911-2HA02	3RH2911-4HA02	
	1NO + 1NC	3RH2911-1HA11	3RH2911-2HA11	3RH2911-4HA11	
	2NO + 2NC	3RH2911-1HA22	3RH2911-2HA22	3RH2911-4HA22	
	1NO	3RH2911-1HA10	3RH2911-2HA10	3RH2911-4HA10	
	2NO	3RH2911-1HA20	3RH2911-2HA20	3RH2911-4HA20	
	Auxiliary contact blocks suitable for electronic components (2-pole) (in compliance with DIN EN 50 005)	1NO + 1NC	3RH2911-1NF11	3RH2911-2NF11	-
		2NO	3RH2911-1NF20	3RH2911-2NF20	-
	2NC	3RH2911-1NF02	3RH2911-2NF02	-	
see page 17 (Function modules for mounting on contactors and for interfacing the control system)					

Size-specific accessories for 3RT201 contactors (S00)				
⑨ Auxiliary contact blocks for side mounting (in compliance with DIN EN 50 012 and DIN EN 50 005)	2NO	3RH2911-1DA20	3RH2911-2DA20	-
	1NO + 1NC	3RH2911-1DA11	3RH2911-2DA11	3RH2911-4DA11
	2NC	3RH2911-1DA02	3RH2911-2DA02	-
Auxiliary contact block suited for electronic components for side mounting (on the right) (in compliance with DIN EN 50 012 and DIN EN 50 005)	1NO + 1NC	-	3RH2911-2DE11	-
Soldering pin adapter for contactors with 4-pole auxiliary contact block	For 4 contactors (pack)	3RT1916-4KA2	-	-
⑩ Soldering pin adapter for contactors	For 4 contactors (pack)	3RT1916-4KA1	-	-
⑪ Surge suppressor, e.g. varistor (230V AC)	without LED	AC 127–240 V	3RT2916-1BD00	3RT2916-1BD00
	with LED	AC 127–240 V	3RT2916-1JL00	3RT2916-1JL00
⑫ Terminal module for contactor with screw connection	Adapter Plug	AC-3/400 V: 20 A	3RT1916-4RD01	-
			3RT1900-4RE01	-
⑬ 3-phase supply terminal		Conductor cross-section: 6 mm	3RA2913-3K	-

1) More auxiliary contact blocks on request

Accessories for 3RT202 contactors (S0)



⑤ ⑥ ⑦ ⑧

Front mounting auxiliary contacts for	Comment	Version	Order no. Screw connection	Order no. Spring-loaded connection	Order no. Ring lug terminal connection	
① 3RT2 contactors		Standard	see tabular overview on page 5ff.			
		Communication	see page 16			
② 1-pole auxiliary contact block, cable entry from the top		1NO	3RH2911-1AA10	–	–	
			3RH2911-1AA01	–	–	
2-pole auxiliary contact block, cable entry from the top		1NO + 1NC	3RH2911-1LA11	–	–	
		2NO	3RH2911-1LA20	–	–	
1-pole auxiliary contact block, cable entry from the bottom		1NO	3RH2911-1BA10	–	–	
		1NC	3RH2911-1BA01	–	–	
③ 2-pole auxiliary contact block, cable entry from the bottom		1NO + 1NC	3RH2911-1MA11	–	–	
		2NO	3RH2911-1MA20	–	–	
④ 4-pole auxiliary contact block ¹⁾ , (in compliance with DIN EN 50 012 and DIN EN 50 005)		1NC	3RH2911-1HA01	3RH2911-2HA01	3RH2911-4HA01	
		2NC	3RH2911-1HA02	3RH2911-2HA02	3RH2911-4HA02	
		1NO + 1NC	3RH2911-1HA11	3RH2911-2HA11	3RH2911-4HA11	
		2NO + 2NC	3RH2911-1HA22	3RH2911-2HA22	3RH2911-4HA22	
		1NO	3RH2911-1HA10	3RH2911-2HA10	3RH2911-4HA10	
		2NO	3RH2911-1HA20	3RH2911-2HA20	3RH2911-4HA20	
		Auxiliary contact blocks suitable for electronic components (2-pole) (in compliance with DIN EN 50 005)	1NO + 1NC	3RH2911-1NF11	3RH2911-2NF11	–
			2NO	3RH2911-1NF20	3RH2911-2NF20	–
		2NC	3RH2911-1NF02	3RH2911-2NF02	–	
⑧ see page 17 (Function modules for mounting on contactors and for interfacing the controller)						

Size-specific accessories for 3RT2 contactors

⑨ Auxiliary contact blocks for side mounting (on the right)	acc. to DIN EN 50 005	2NO	3RH2921-1DA20	3RH2921-2DA20	–
	(in compliance with DIN EN 50 012 and DIN EN 50 005)	1NO + 1NC	3RH2921-1DA11	3RH2921-2DA11	3RH2921-4DA11
		2NC	3RH2921-1DA02	3RH2921-2DA02	–
Auxiliary contact block for side mounting (on the right), suitable for electronic components	acc. to DIN EN 50 005	1NO + 1NC	–	3RH2921-2DE11	–
⑩ Overvoltage limiter, e.g. varistor (230V AC)	without LED	AC 127–240 V	3RT2926-1BD00	3RT2926-1BD00	3RT2926-1BD00
	with LED	AC 127–240 V	3RT2926-1JL00	3RT2926-1JL00	3RT2926-1JL00
⑪ Terminal module for contactor with screw connection	Adapter	AC-3/400 V:	3RT1926-4RD01	–	–
	Plug	25 A	3RT1900-4RE01	–	–
⑫ Pneumatic delay block (in compliance with DIN EN 50 005) 1NO + 1NC	0.1 – 30 s	On-delay	3RT2926-2PA01	–	–
	1 – 60 s		3RT2926-2PA11	–	–
	0.1 – 30 s	Off-delay	3RT2926-2PR01	–	–
	1 – 60 s		3RT2926-2PR11	–	–
⑬ Coil terminal module	Connection from the top		3RT2926-4RA11	3RT2926-4RA12	–
	Connection from the bottom		3RT2926-4RB11	3RT2926-4RB12	–
	Diagonal connection		3RT2926-4RC11	–	–

1) More auxiliary contact blocks on request

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