

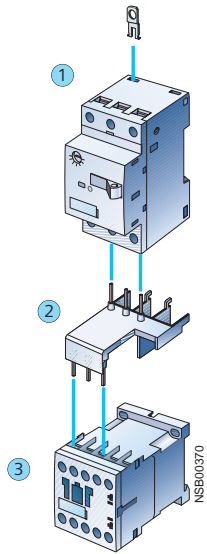
Switching. Protecting. Starting. SIRIUS Product Overview

sirius



SIEMENS

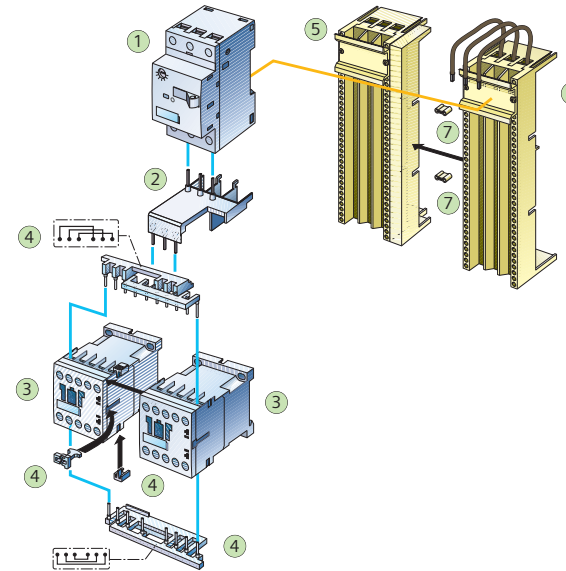
Direct-on-line starting



	Version	Order No.
1 Circuit-breaker, size S00		
2 Link module	AC	3RA19 11-1AA00
3 Contactor, size S00		
For busbar mounting (alternative)		
Busbar mounting adapter	40 mm 60 mm	8US10 51-5DM07 8US12 51-5DM07

For rail mounting (diagram)
Direct rail mounting without adapter

Reversing duty



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

	Version	Order No.
1 Circuit-breaker, size S00		
2 Line module		3RA19 11-1AA00
3 2 contactors, size S00		
4 Wiring kit: Upper wiring module, lower wiring module, 2 connecting clips, mechanical locking devices (this can be removed)		3RA19 13-2A
For busbar mounting (diagram)		
5 Controlgear support	40 mm 60 mm	8US10 50-5AM00 8US12 50-5AM00
6 Busbar adapter	40 mm 60 mm	8US10 51-5DM07 8US12 51-5DM07
7 Link wedges (1 Order No. = 100 units)		8US19 98-1AA00
For rail mounting (alternative) Direct rail mounting without adapter		

S00 Selection and ordering data



Circuit-breakers

Three-phase motors
AC-3/400 V

[kW]	[A]
0.04	0.14
0.06	0.2
0.06	0.2
0.09	0.3
0.09	0.3
0.12	0.4
0.18	0.6
0.18	0.6
0.25	0.8
0.37	1.1
0.55	1.5
0.75	1.9
0.75	1.9
1.1	2.7
1.5	3.6
1.5	3.6
2.2	5.2
3	6.8
4	9
5.5	11.5

Setting range CLASS 10 [A]	Order No.
0.11–0.16	3RV10 11-0AA10
0.14–0.2	3RV10 11-0BA10
0.18–0.25	3RV10 11-0CA10
0.22–0.32	3RV10 11-0DA10
0.28–0.4	3RV10 11-0EA10
0.35–0.5	3RV10 11-0FA10
0.45–0.63	3RV10 11-0GA10
0.55–0.8	3RV10 11-0HA10
0.7–1	3RV10 11-0JA10
0.9–1.25	3RV10 11-0KA10
1.1–1.6	3RV10 11-1AA10
1.4–2	3RV10 11-1BA10
1.8–2.5	3RV10 11-1CA10
2.2–3.2	3RV10 11-1DA10
2.8–4	3RV10 11-1EA10
3.5–5	3RV10 11-1FA10
4.5–6.3	3RV10 11-1GA10
5.5–8	3RV10 11-1HA10
7–10	3RV10 11-1JA10
9–12	3RV10 11-1KA10



Contactors

Rated control supply voltage	Auxiliary contacts	Order No.
230 V AC, 50/60 Hz	1NC	3RT10 15-1AP02
	1NO	3RT10 15-1AP01
	1NC	3RT10 15-1BB42
24 V DC	1NC	3RT10 15-1BB42
	1NO	3RT10 15-1BB41
230 V AC, 50/60 Hz	1NC	3RT10 16-1AP02
	1NO	3RT10 16-1AP01
	1NC	3RT10 16-1BB42
24 V DC	1NC	3RT10 16-1BB42
	1NO	3RT10 16-1BB41
230 V AC, 50/60 Hz	1NC	3RT10 17-1AP02
	1NO	3RT10 17-1AP01
	1NC	3RT10 17-1BB42
24 V DC	1NC	3RT10 17-1BB42
	1NO	3RT10 17-1BB41



Soft starters

Rated control supply voltage	Rated operational current**	Order No.
110–230 V UC	6	3RW30 14-1CB14
24 V UC	6	3RW30 14-1CB04
110–230 V UC	9	3RW30 16-1CB14
24 V UC	9	3RW30 16-1CB04

**for rated operational voltage
Ve: 200–460 V (Ve: 460–575 V refer to NSK)



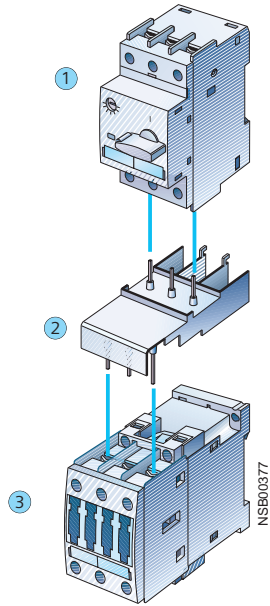
Overload relays

Setting range CLASS 10 [A]	Thermal Order No.	Setting range CLASS 10 ¹⁾ [A]	Electronic Order No.
0.11–0.16	3RU11 16-0AB0	0.1–0.4	3RB10 16-1RB0
0.14–0.2	3RU11 16-0BB0		
0.18–0.25	3RU11 16-0CB0		
0.22–0.32	3RU11 16-0DB0		
0.28–0.4	3RU11 16-0EB0		
0.35–0.5	3RU11 16-0FB0	0.4–1.6	3RB10 16-1NB0
0.45–0.63	3RU11 16-0GB0		
0.55–0.8	3RU11 16-0HB0		
0.7–1	3RU11 16-0JB0		
0.9–1.25	3RU11 16-0KB0	1.5–6	3RB10 16-1PB0
1.1–1.6	3RU11 16-1AB0		
1.4–2	3RU11 16-1BB0		
1.8–2.5	3RU11 16-1CB0		
2.2–3.2	3RU11 16-1DB0		
2.8–4	3RU11 16-1EB0		
3.5–5	3RU11 16-1FB0	3–12	3RB10 16-1SB0
4.5–6.3	3RU11 16-1GB0		
5.5–8	3RU11 16-1HB0		
7–10	3RU11 16-1JB0		
9–12	3RU11 16-1KB0		

¹⁾ The 3RB10 electronic overload relays are also available with Release Class 20. These devices have a 2 instead of a 1, at the 8th position of the Order No.

S0 Design

Direct-on-line starting



- ① Circuit-breaker, size S0
- ② Link module
- ③ Contactor, size S0

Version	Order No.
AC	3RA19 21-1AA00
DC	3RA19 21-1BA00

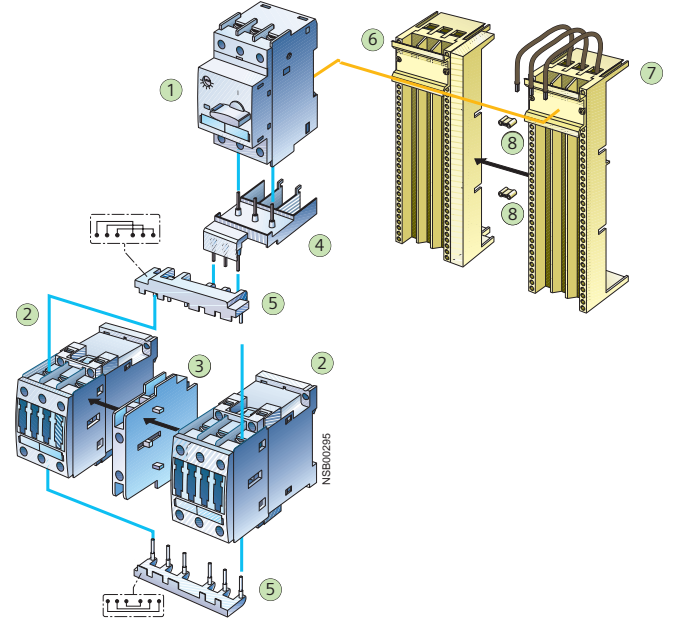
For busbar mounting (alternative)

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

For rail mounting (diagram)

Direct rail mounting without adapter

Reversing duty



- ① Circuit-breaker, size S0
- ② 2 contactors, size S0
- ③ Mechanical locking device
- ④ Link module
- ⑤ Wiring kit:
Upper wiring module,
lower wiring module

For busbar mounting (diagram)

Version	Order No.	
AC	3RA19 21-1AA00	
DC	3RA19 21-1BA00	
	3RA19 23-2A	
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

Assembly kit for busbar mounting
 40 mm: 3RA19 23-1C
 60 mm: 3RA19 23-1D
 Consisting of:
 1 wiring kit ⑤
 1 busbar adapter ⑥
 1 controlgear support ⑦
 2 link wedges ⑧

Assembly kit (RH) for rail mounting
 3RA19 23-1B
 Consisting of:
 1 wiring kit ⑤
 2 adapters for rail mounting
 2 side modules
 4 link wedges ⑧

Order No.	Order No.
⑧ Link wedges	8US19 98-1AA00 (1 Order No. = 100 units)
For rail mounting (alternative)	
Adapter for rail mounting	3RA19 22-1AA00
Side module	3RA19 02-1B (1 Order No. = 10 units)
Link wedges	8US19 98-1AA00 (1 Order No. = 100 units)

S0 Selection and ordering data



Circuit-breakers

Three-phase motors
AC-3/400 V

[kW]	[A]
5.5	11.5
7.5	15.5
7.5	15.5
11	22
11	22

Setting range CLASS 10 [A]	Order No.
9–12.5	3RV10 21-1KA10
11–16	3RV10 21-4AA10
14–20	3RV10 21-4BA10
17–22	3RV10 21-4CA10
20–25	3RV10 21-4DA10



Contactors

Rated control supply voltage	Auxiliary contacts	Order No.
230 V AC, 50/60 Hz – 24 V DC	–	3RT10 24-1AL20 3RT10 24-1BB40
230 V AC, 50/60 Hz – 24 V DC	–	3RT10 25-1AL20 3RT10 25-1BB40
230 V AC, 50/60 Hz – 24 V DC	–	3RT10 26-1AL20 3RT10 26-1BB40



Soft starters

Rated control supply voltage	Rated operational current**	Order No.
110–230 V UC* 24 V UC*	12.5	3RW30 24-1AB14
110–230 V UC* 24 V UC*	12.5	3RW30 24-1AB04
110–230 V UC* 24 V UC*	16	3RW30 25-1AB14
110–230 V UC* 24 V UC*	16	3RW30 25-1AB04
110–230 V UC* 24 V UC*	25	3RW30 26-1AB14
110–230 V UC* 24 V UC*	25	3RW30 26-1AB04

*Fan available as accessory
**For rated operational voltage
Ve: 200–460 V (Ve: 460–575 V refer to NSK)



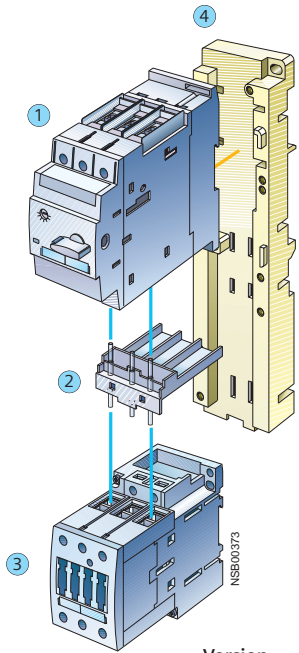
Overload relays

Setting range CLASS 10 [A]	Thermal Order No.	Setting range CLASS 10 ¹⁾ [A]	Electronic Order No.
9–12.5	3RU11 26-1KB0		
11–16	3RU11 26-4AB0		
14–20	3RU11 26-4BB0	6–25	3RB10 26-1QB0
17–22	3RU11 26-4CB0		
20–25	3RU11 26-4DB0		

¹⁾ The 3RB10 electronic overload relays are also available with Release Class 20. These devices have a 2 instead of a 1 at the 8th position of the Order No.

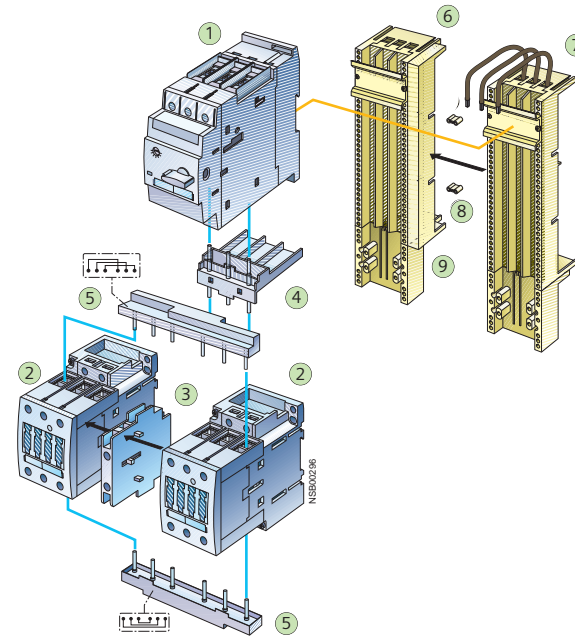
S2 Design

Direct-on-line starting



	Version	Order No.
1 Circuit-breaker, size S2		
2 Link module	AC DC	3RA19 31-1AA00 3RA19 31-1BA00
3 Contactor, size S0		
For busbar mounting (alternative)		
Busbar adapter	40 mm 60 mm	8US10 61-5FP08 8US12 61-5FP08
For rail mounting (diagram)		
4 Adapter for rail mounting		3RA19 32-1AA00

Reversing duty



	Version	Order No.		Order No.
1 Circuit-breaker, size S2			8 Link wedges (1 Order No. = 100 units)	8US19 98-1AA00
2 2 contactors, size S2			9 Side module	8US19 98-2MB00
3 Mechanical locking device		3RA19 24-2B	For rail mounting (alternative)	
4 Link module	AC DC	3RA19 31-1AA00 3RA19 31-1BA00	Adapter for rail mounting	3RA19 32-1AA00
5 Wiring kit: Upper wiring module, lower wiring module		3RA19 33-2A	Link wedges (1 Order No. = 100 units)	8US19 98-1AA00
For busbar mounting (diagram)			Side module (1 Order No. = 10 units)	3RA19 02-1B
6 Controlgear support	40 mm 60 mm	8US10 60-5AP00 8US12 60-5AP00		
7 Busbar adapter	40 mm 60 mm	8US10 61-5FP08 8US12 61-5FP08		

Assembly kit for busbar mounting

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

Assembly kit (RH) for rail mounting

3RA19 33-1B
Consisting of:
1 wiring kit 5
2 adapters for rail mounting
2 side modules
4 link wedges 8

S2 Selection and ordering data



Circuit-breakers

Three-phase motors
AC-3/400 V

[kW] [A]

15 29

18.5 35

22 41

22 41

Setting range
CLASS 10
[A]

Order No.

22–32 3RV10 31-4EA10

28–40 3RV10 31-4FA10

36–45 3RV10 31-4GA10

40–50 3RV10 31-4HA10

Contactors

Rated control
supply
voltage

Auxilia-
ry con-
tacts

Order No.

230 V AC, 50/60 Hz – 3RT10 34-1AL20
24 V DC – 3RT10 34-1BB40

230 V AC, 50/60 Hz – 3RT10 35-1AL20
24 V DC – 3RT10 35-1BB40

230 V AC, 50/60 Hz – 3RT10 36-1AL20
24 V DC – 3RT10 36-1BB40



Soft starters

Rated control
supply
voltage

Rated opera-
tional
current**

Order No.

110–230 V UC* 32 3RW30 34-1AB14

24 V UC* 32 3RW30 34-1AB04

110–230 V UC* 38 3RW30 35-1AB14

24 V UC* 38 3RW30 35-1AB04

110–230 V UC* 45 3RW30 36-1AB14

24 V UC* 45 3RW30 36-1AB04

*Fan available as accessory

**for rated operational voltage

Ve: 200–460 V (Ve: 460–575 V refer to NSK)



Overload relays

Setting range
CLASS 10
[A]

Thermal
Order No.

22–32 3RU11 36-4EB0

28–40 3RU11 36-4FB0

36–45 3RU11 36-4GB0

40–50 3RU11 36-4HB0

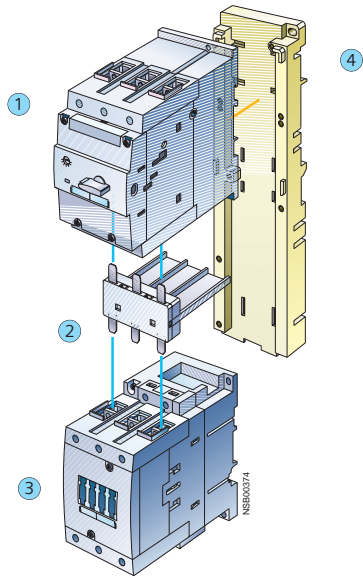
1) The 3RB10 electronic overload relays are also available with Release Class 20. These devices have a 2 instead of a 1 at the 8th position of the Order No.

Setting range
CLASS 10¹⁾
[A]

Electronic
Order No.

13–50 3RB10 36-1UB0

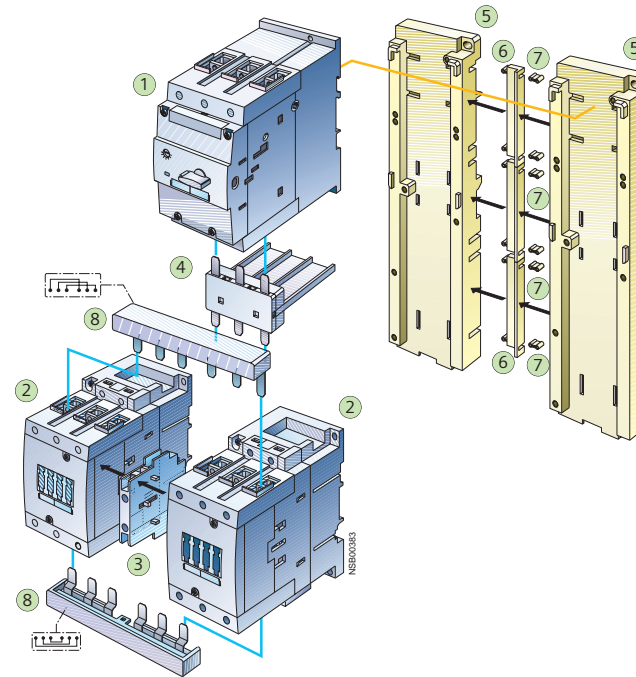
Direct-on-line starting



- 1 Circuit-breaker, size S3
- 2 Link module
- 3 Contactor, size S3
- 4 Adapter for rail mounting

Version	Order No.
AC	3RA19 41-1AA00
DC	3RA19 41-1BA00
	3RA19 42-1A

Reversing duty



- 1 Circuit-breaker, size S3
- 2 2 contactors, size S3
- 3 Mechanical locking device
- 4 Link module
- 5 Adapters for rail mounting
- 6 Side modules for adapter for rail mounting (1 Order No. = 10 units)
- 7 Link wedges (1 Order No. = 100 units)
- 8 Wiring kit: Upper wiring module, lower wiring module

Version	Order No.
	3RA19 24-2B
AC	3RA19 41-1AA00
DC	3RA19 41-1BA00
	3RA19 42-1AA00
	3RA19 02-1B
	8US19 98-1AA00
	3RA19 43-2A

Assembly kit (RH) for rail mounting
 3RA19 43-1B
 Consisting of:
 1 wiring kit (8)
 2 adapters for rail mounting (5)
 3 side modules (6)
 6 link wedges (7)

S3 Selection and ordering data



Circuit-breakers

Three-phase motors
AC-3/400 V

[kW] [A]

30	55
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37	67
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45	80
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45	80
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Setting range CLASS 10 [A]	Order No.
45–63	3RV10 41-4JA10
57–75	3RV10 41-4KA10
70–90	3RV10 41-4LA10
80–100	3RV10 41-4MA10



Contactors

Rated control supply voltage	Auxiliary contacts	Order No.
230 V AC, 50/60 Hz – 24 V DC	–	3RT10 44-1AL20 3RT10 44-1BB40
230 V AC, 50/60 Hz – 24 V DC	–	3RT10 45-1AL20 3RT10 45-1BB40
230 V AC, 50/60 Hz – 24 V DC	–	3RT10 46-1AL20 3RT10 46-1BB40



Soft starters

Rated control supply voltage	Rated operational current**	Order No.
110–230 V UC*	63	3RW30 44-1AB14
24 V UC*	63	3RW30 44-1AB04
110–230 V UC*	75	3RW30 45-1AB14
24 V UC*	75	3RW30 45-1AB04
110–230 V UC*	100	3RW30 46-1AB14
24 V UC*	100	3RW30 46-1AB04

*Fan available as accessory

**for rated operational voltage

Ve: 200–460 V (Ve: 460–575 V refer to NSK)

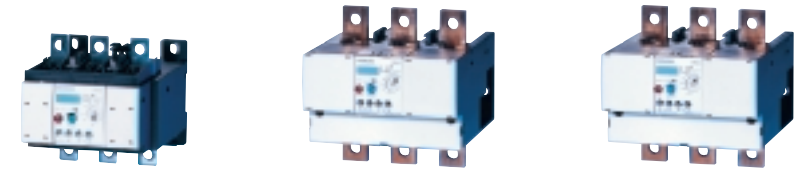


Overload relays

Setting range CLASS 10 [A]	Thermal Order No.	Setting range CLASS 10 ¹⁾ [A]	Electronic Order No.
45–63	3RU11 46-4JB0		
57–75	3RU11 46-4KB0		
70–90	3RU11 46-4LB0	25–100	3RB10 46-1EB0
80–100	3RU11 46-4MB0		

¹⁾ The 3RB10 electronic overload relays are also available with Release Class 20. These devices have a 2 instead of a 1 at the 8th position of the Order No.

S6, S10, S12 Selection and ordering data



S6 data

Contactors

Three-phase motor
AC-3/400 V
[kW] [A]

55 115

75 150

90 185

Solenoid system	Rated control supply voltage [UC V]	Auxiliary switches	Contactor Order No.	Vacuum contactor Order No.
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 with RLT*)	200–277	1NO + 1NC	3RT1054-1PP35	–
– with AS-i interface and RLT*)	200–277	1NO + 1NC	3RT1054-1QP35	–
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 with RLT*)	200–277	1NO + 1NC	3RT1055-6PP35	–
– with AS-i interface and RLT*)	200–277	1NO + 1NC	3RT1055-6QP35	–
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 with RLT*)	200–277	1NO + 1NC	3RT1056-6PP35	–
– with AS-i interface and RLT*)	200–277	1NO + 1NC	3RT1056-6QP35	–

Overload relay

Setting range [A]	Electronic CLASS 10 Order No.	Electronic CLASS 20 Order No.	Version
50–200	3RB1056-1FW0	3RB1056-2FW0	Straight-through CT
50–200	3RB1056-1FG0	3RB1056-2FG0	with busbar connection

*) RLT: Remaining lifetime

S10 data

Three-phase motor
AC-3/400 V

[kW] [A]

110 225

132 265

160 300

S12 data

200 400

250 500

Contactors

Solenoid system	Rated control supply voltage [UC V]	Auxiliary contactors	Contactor Order No.	Vacuum contactor Order No.
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 with RLT*)	200–277	1NO + 1NC	3RT1064-6PP35	–
– with AS-i interface and RLT*)	200–277	1NO + 1NC	3RT1064-6QP35	–
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 with RLT*)	200–277	1NO + 1NC	3RT1065-6PP35	–
– with AS-i interface and RLT*)	200–277	1NO + 1NC	3RT1065-6QP35	–
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 with RLT*)	200–277	1NO + 1NC	3RT1066-6PP35	–
– with AS-i interface and RLT*)	200–277	1NO + 1NC	3RT1066-6QP35	–
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 with RLT*)	200–277	1NO + 1NC	3RT1075-6PP35	–
– with AS-i interface and RLT*)	200–277	1NO + 1NC	3RT1075-6QP35	–
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 with RLT*)	200–277	1NO + 1NC	3RT1076-6PP35	–
– with AS-i interface and RLT*)	200–277	1NO + 1NC	3RT1076-6QP35	–

Overload relay




Setting range [A]	Electronic CLASS 10 Order No.	Electronic CLASS 20 Order No.	Version
55–250	3RB1066-1GG0	3RB1066-2GG0	with busbar connection
200–540	3RB1066-1KG0	3RB1066-2KG0	with busbar connection

200–540	3RB1066-1KG0	3RB1066-2KG0	with busbar connection
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*) RLT: Remaining lifetime

Load feeders

Fuseless load feeders

Three-ph. motor AC-3/400 V		Setting range, thermal overload release	3RA type of coordi- nation 2 230 V AC direct		3RA type of coordi- nation 2 230 V AC reversing		Size	3RA type of coordi- nation 1 230 V AC direct		3RA type of coordi- nation 1 230 V AC reserving		Size		
[kW]	[A]		3RA11	3RA12	3RA11	3RA12		3RA11	3RA12	3RA11	3RA12			
0.06	0.2	0.14–0.2	3RA11 10-0BA15-1AP0	3RA12 10-0BA15-0AP0		S00					Type of coordination 2 also fulfills type of coordination 1			
0.06	0.2	0.18–0.25	3RA11 10-0CA15-1AP0	3RA12 10-0CA15-0AP0										S00
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										
0.75	1.9	1.8–2.5	3RA11 20-1CA24-0AP0	3RA12 20-1CB24-0AP0		S0	3RA11 10-1CA15-1AP0	3RA12 10-1CA15-0AP0	3RA11 10-1CA15-1AP0	3RA12 10-1CA15-0AP0	S00			
1.1	2.7	2.2–3.2	3RA11 20-1DA24-0AP0	3RA12 20-1DB24-0AP0			3RA11 10-1DA15-1AP0	3RA12 10-1DA15-0AP0	3RA11 10-1DA15-1AP0	3RA12 10-1DA15-0AP0				
1.5	3.6	2.8–4	3RA11 20-1EA24-0AP0	3RA12 20-1EB24-0AP0			3RA11 10-1EA15-1AP0	3RA12 10-1EA15-0AP0	3RA11 10-1EA15-1AP0	3RA12 10-1EA15-0AP0				
1.5	3.6	3.5–5	3RA11 20-1FA24-0AP0	3RA12 20-1FB24-0AP0			3RA11 10-1FA15-1AP0	3RA12 10-1FA15-0AP0	3RA11 10-1FA15-1AP0	3RA12 10-1FA15-0AP0				
2.2	5.2	4.5–6.3	3RA11 20-1GA24-0AP0	3RA12 20-1GB24-0AP0			3RA11 10-1GA15-1AP0	3RA12 10-1GA15-0AP0	3RA11 10-1GA15-1AP0	3RA12 10-1GA15-0AP0				
3	6.8	5.5–8	3RA11 20-1HA24-0AP0	3RA12 20-1HB24-0AP0			3RA11 10-1HA15-1AP0	3RA12 10-1HA15-0AP0	3RA11 10-1HA15-1AP0	3RA12 10-1HA15-0AP0				
4	9	7–10	3RA11 20-1JA26-0AP0	3RA12 20-1JB26-0AP0			3RA11 10-1JA16-1AP0	3RA12 10-1JA16-0AP0	3RA11 10-1JA16-1AP0	3RA12 10-1JA16-0AP0				
5.5	11.5	9–12.5	3RA11 20-1KA26-0AP0	3RA12 20-1KB26-0AP0			3RA11 10-1KA17-1AP0	3RA12 10-1KA17-0AP0	3RA11 10-1KA17-1AP0	3RA12 10-1KA17-0AP0				
7.5	15.5	11–16	3RA11 20-4AA26-0AP0	3RA12 20-4AB26-0AP0			3RA11 20-4AA25-0AP0	3RA12 20-4AB25-0AP0	3RA11 20-4AA25-0AP0	3RA12 20-4AB25-0AP0				
7.5	15.5	14–20	3RA11 20-4BA26-0AP0	3RA12 20-4BB26-0AP0			3RA11 20-4BA25-0AP0	3RA12 20-4BB25-0AP0	3RA11 20-4BA25-0AP0	3RA12 20-4BB25-0AP0				
11	22	17–22	3RA11 20-4CA26-0AP0	3RA12 20-4CB26-0AP0		3RA11 20-4CA26-0AP0	3RA12 20-4CB26-0AP0	3RA11 20-4CA26-0AP0	3RA12 20-4CB26-0AP0	S0				
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											

Load feeders

Load feeders with integrated safety technology

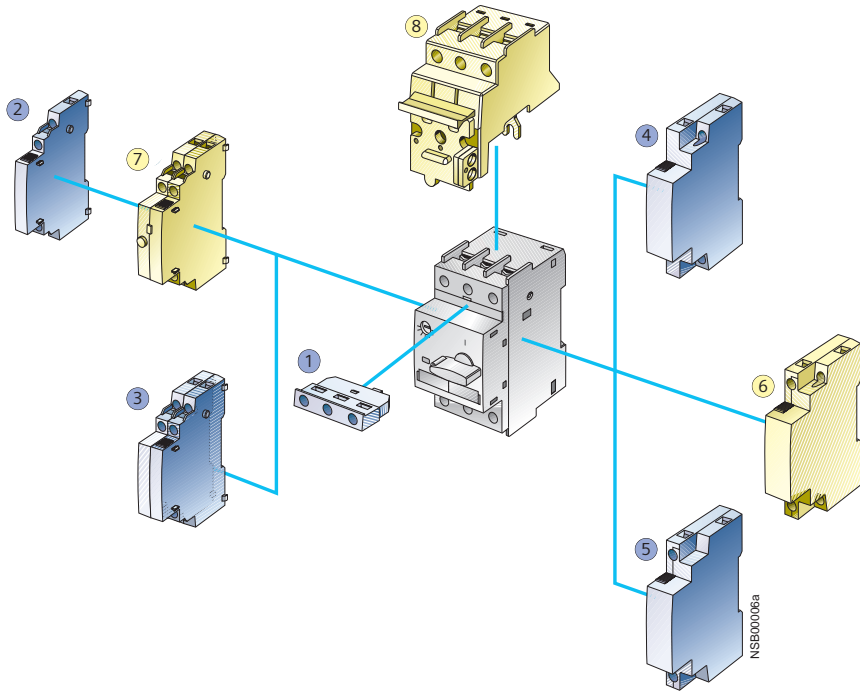
Three-phase motor AC-3/400 V		Setting range, thermal overload release	Type of coordination 2 230 V AC Category 3 acc. to EN 954-1	Type of coordination 2 24 V DC	Size
[kW]	[A]				
0.04	0.16	0.11–0.16	3RA71 01-0AA17-0AL2	3RA71 □1-0AA17-0AB4	S00
0.06	0.2	0.14–0.2	3RA71 01-0BA17-0AL2	3RA71 □1-0BA17-0AB4	
0.06	0.2	0.18–0.25	3RA71 01-0BA17-0AL2	3RA71 □1-0BA17-0AB4	
0.09	0.3	0.22–0.32	3RA71 01-0DA17-0AL2	3RA71 □1-0DA17-0AB4	
0.09	0.3	0.28–0.4	3RA71 01-0EA17-0AL2	3RA71 □1-0EA17-0AB4	
0.12	0.4	0.35–0.5	3RA71 01-0FA17-0AL2	3RA71 □1-0FA17-0AB4	
0.18	0.6	0.45–0.63	3RA71 01-0GA17-0AL2	3RA71 □1-0GA17-0AB4	
0.18	0.6	0.55–0.8	3RA71 01-0HA17-0AL2	3RA71 □1-0HA17-0AB4	
0.25	0.8	0.7–1	3RA71 01-0JA17-0AL2	3RA71 □1-0JA17-0AB4	
0.37	1.1	0.9–1.25	3RA71 01-0KA17-0AL2	3RA71 □1-0KA17-0AB4	
0.55	1.5	1.1–1.6	3RA71 01-1AA17-0AL2	3RA71 □1-1AA17-0AB4	
0.75	1.9	1.4–2	3RA71 01-1BA17-0AL2	3RA71 □1-1BA17-0AB4	
0.75	1.9	1.8–2.5	3RA71 02-1CA26-0AL2	3RA71 □2-1CA26-0AB4	S0
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 circuit- breaker (contactor safety combination)	3RA71 00-5AA26-0AL2	3RA71 □0-5AA26-0AB4	

- ↑
- 0— Safety electronics as basis device up to Category 3
 - 1— Safety electronics as basis device up to Category 4
 - 2— Safety electronics as expansion device
 - 3— Safety electronics as expansion device, time-delayed 0.05–3 s
 - 4— Safety electronics as expansion device, time-delayed 0.05–30 s



S00

Circuit-breakers



	Version	For size	Order No.
1 Transverse auxiliary switch	1 changeover 1NO + 1NC 2NO	S00, S0, S2, S3	3RV19 01-1D 3RV19 01-1E 3RV19 01-1F
2 Lateral auxiliary switch with two contacts	1NO + 1NC 2NO 2NC	S00, S0, S2, S3	3RV19 01-1A 3RV19 01-1B 3RV19 01-1C
3 Lateral auxiliary switch for 4 contacts	2NO + 2NC	S00, S0, S2, S3	3RV19 01-1J
4 Shunt release	230 V AC	S00, S0, S2, S3	3RV19 02-1DPO
5 Undervoltage release	230 V AC	S00, S0, S2, S3	3RV19 02-1APO
6 Undervoltage release with leading auxiliary switch	230 V AC	S00 S0, S2, S3	3RV19 12-1CPO 3RV19 22-1CPO
7 Signaling switching		S0, S2, S3	3RV19 21-1M
8 Isolator module		S0 S2	3RV19 28-1A 3RV19 38-1A

Insulated 3-phase busbar system

Version	For size	Order No.
3-ph. busbar, modular spacing 45 mm for 2 circuit-breakers for 3 circuit-breakers for 4 circuit-breakers for 5 circuit-breakers	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-ph. busbars, modular spacing 55 mm for 2 circuit-breakers for 3 circuit-breakers for 4 circuit-breakers	S2	3RV19 35-1A 3RV19 35-1B 3RV19 35-1C
3-ph. line-side terminal Connection from above	S00 S0 S2	3RV19 15-5A 3RV19 25-5AB 3RV19 35-5A

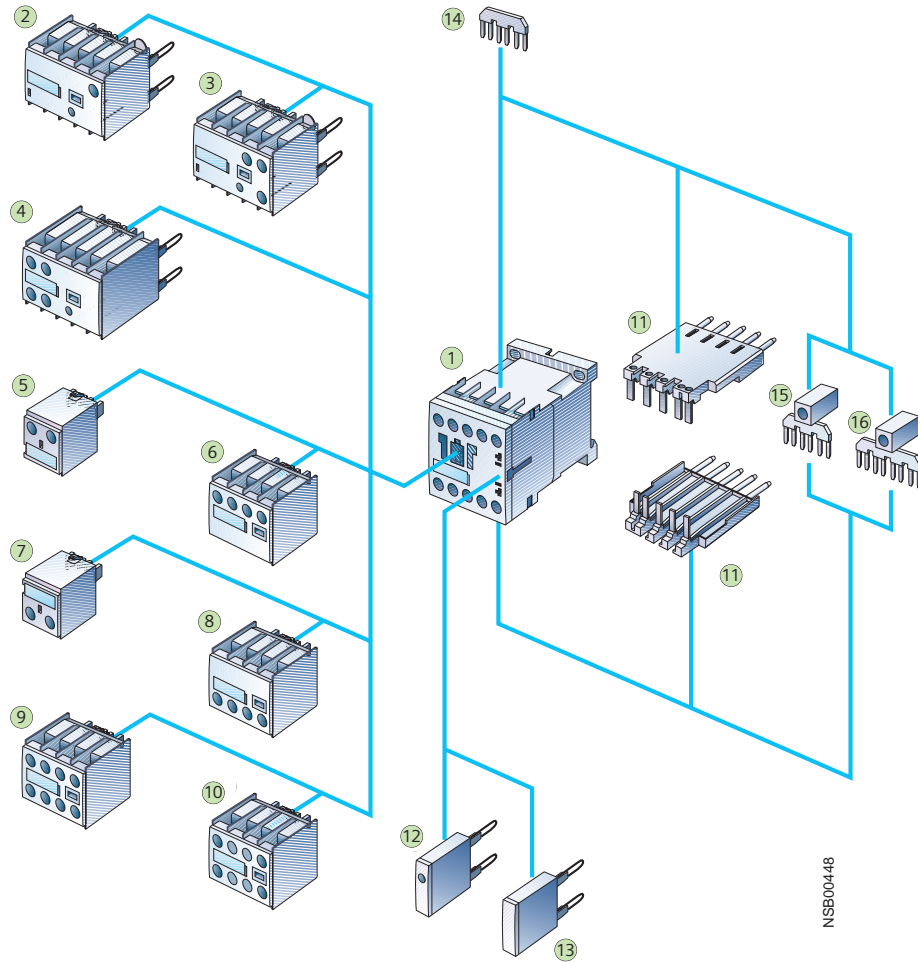
Door coupling rotary operating mechanism

Version	For size	Order No.
Black Extension shaft 130 mm Extension shaft with supporting bracket 330 mm	S0, S2, S3	3RV19 26-0B 3RV19 26-0K

Moulded-plastic enclosure for wall mounting

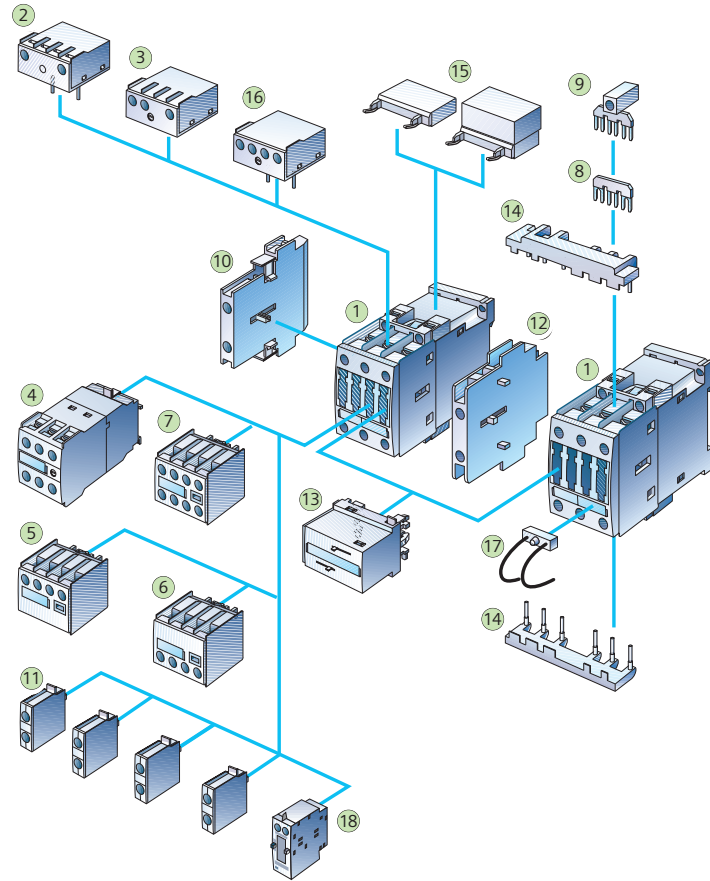
Version	For size	Order No.
With actuator diaphragm Overall width 54 mm (e.g. circuit-breaker + lateral auxiliary switch)	S00	3RV19 13-1CA00
Overall width 72 mm (e.g. circuit-breaker + lateral auxiliary switch + auxiliary release)	S00	3RV19 13-1DA00
With rotary operating mechanism Overall width 54 mm (e.g. circuit-breaker + lateral auxiliary switch)	S0	3RV19 23-1CA00
Overall width 72 mm (e.g. circuit-breaker + lateral auxiliary switch + auxiliary release)	S0	3RV19 23-1DA00

Contactor S00



	Version	Order No.
① Contactor (example) Control supply voltage	4 kW/400 V, 1NO 230 V, 50/60 Hz	3RT19 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 or OFF delay	0.5–10 s 0.5–10 s	3RT19 16-2ED21 3RT19 16-2FL21
⑤ Single-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 Single-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 50012)	2NO + 2NC	3RH19 11-1HA22
⑩ 2-pole auxiliary switch block, solid-state-compatible design (acc. to EN 50 005)	1NO + 1NC	3RH19 11-1NF11
⑪ Solder pin adapter for the basic device	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 16-1JJ00
⑬ Surge suppressor without LED (varistor)	127–240 V AC 24–70 V DC	3RT19 16-1BD00 3RT19 16-1BB00
⑭ Links for paralleling, (star jumper), 3-pole without terminal	–	3RT19 16-4BA31
⑮ Links for paralleling, (star jumper), – 3-pole with terminal	–	3RT19 16-4BB31
⑯ Links for paralleling, (star jumper), – 4-pole with terminal	–	3RT19 16-4BB41

Contactors S0–S3

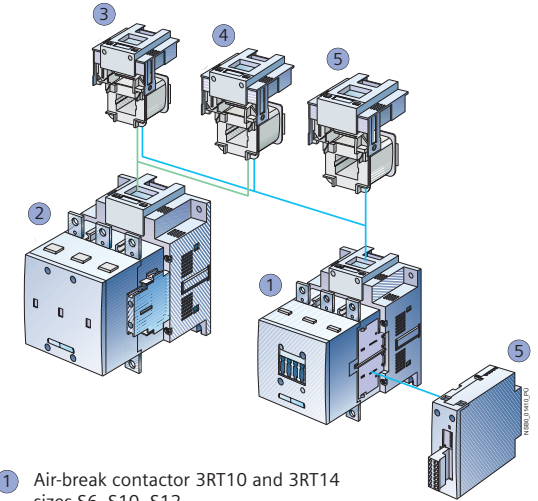
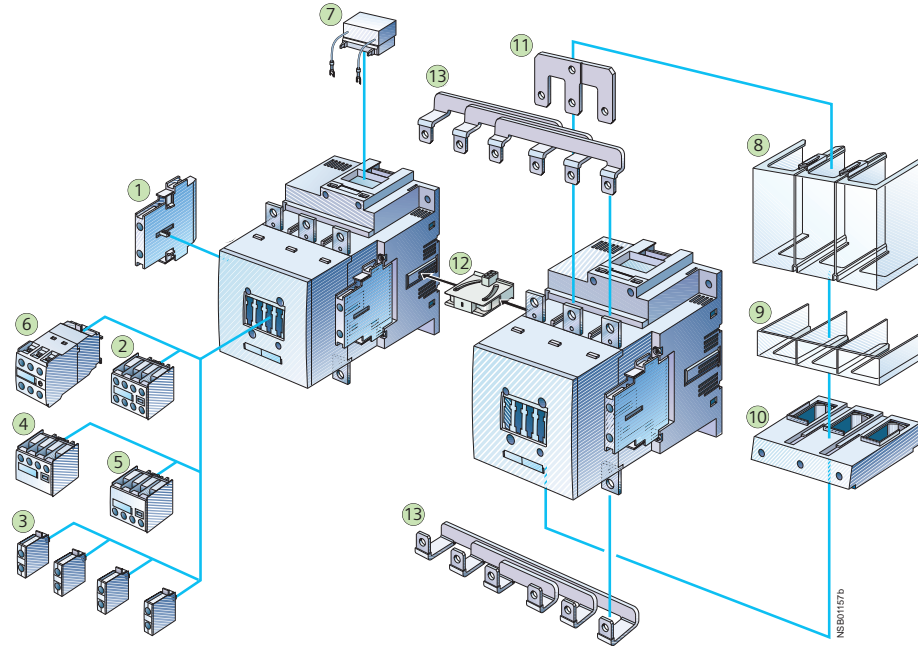


	Version	Order No.
1 Contactor, size S0 (example) Control supply voltage	7.5 kW/400 V 230 V, 50 Hz	3RT10 25-1AP00
For sizes S0 to S3:		
2 Solid-state time-delay block, ON delay	0.5–10 s	3RT19 26-2CH21
3 Solid-state time-delay block, OFF delay	0.5–10 s	3RT19 26-2DH21
4 Auxiliary switch block, solid-state time-delay ON or 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 50012)	2NO + 2NC	3RH19 21-1HA22

	Version	For size	Order No.
8 Links for paralleling (star jumper), 3-pole, without terminal	–	S0 S2 S3	3RT19 26-4BA31 3RT19 36-4BA31 3RT19 46-4BA31
9 Links for paralleling, 3-pole, with terminal	–	S0 S2 S3	3RT19 26-4BB31 3RT19 36-4BB31 3RT19 46-4BB31
10 2-pole auxiliary switch block, laterally mountable (left or right) (terminal designations acc. to DIN EN 50 012)	1NO + 1NC	S0 – S3	3RH19 21-1DA11
11 1-pole auxiliary switch block (max. 4 can be snapped-on)	1NO 1NC	S0 – S3 S0 – S3	3RH19 21-1CA10 3RH19 21-1CA01
12 Mechanical interlock, laterally mountable	–	S0 – S3	3RA19 24-2B
13 Mechanical interlock, mountable on the front	–	S0 – S3	3RA19 24-1A
14 Wiring connectors, top and bottom (plugging)	–	S0 S2 S3	3RA19 23-2A 3RA19 33-2A 3RA19 43-2A
15 Surge suppressor (varistor), can be mounted either top or bottom	–	S0 – S3	3RT19 26-1BD00
16 Interface for mounting directly onto the contactor coil	–	S0 – S3	3RH19 24-1GP11
17 LED module to indicate contactor operation	–	S0 – S3	3RT19 26-1QT00
18 Mechanical interlocking	AC/DC 24 AC/DC 110 AC/DC 230	S0, S2 S0, S2 S0, S2	3RT19 26-3AB31 3RT19 26-3AF31 3RT19 26-3AP31

Contactors S6–S12

Control coil system



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

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

- 1 Air-break contactor 3RT10 and 3RT14 sizes S6, S10, S12
- 2 Vacuum contactor 3RT12, sizes S10 and S12
- 3 Plug-in coils for contactors with conventional control coil system 3RT1...-A..
- 4 Plug-in coils for contactors with electronic control coil system 3RT1...-N..
- 5 Plug-in coils and lateral mounting module (can be plugged-in) for contactors with electronic control coil system and remaining lifetime signal 3RT1...-P.. and 3RT1...-Q..

Size	AC motor AC-3/400 V	Contactor without coil	Plug-in coil for control coil system	
			Conventional	Electronic
S6		Control supply voltage		
		220...240 V UC	200...277 V UC	
		Order No.	Order No.	Order No.
S10	55 kW	3RT10 54-1LA06	3RT19 55-5AP31	3RT19 55-5NP31
	75 kW	3RT10 55-6LA06		
	90 kW	3RT10 56-6LA06		
S12	110 kW	3RT10 64-6LA06	3RT19 65-5AP31	3RT19 65-5NP31
	132 kW	3RT10 65-6LA06		
	160 kW	3RT10 66-6LA06		
S12	200 kW	3RT10 75-6LA06	3RT19 75-5AP31	3RT19 75-5NP31
	250 kW	3RT10 76-6LA06		

Accessories for thermally delayed overload relays 3RU11 and electronic overload releases 3RB10



Version	For size	Order No.
Adapter for installing as a single unit for separate mounting on overload relays, screw and snap-on mounting onto 35 mm standard mounting rail, size S3, also for 75 mm standard mounting rail	S00	3RU19 16-3AA01
	S0	3RU19 26-3AA01
	S2	3RU19 36-3AA01
	S3	3RU19 46-3AA01

Sealable cover, transparent
to cover the current setting screw and locking the selector switch "Manual/Automatic RESET"; only for 3RB10 (bag with 10 covers)

S00 to S10/S12 **3RB19 00-3B**



Version	For size	Order No.
Mechanical RESET Comprising:		
① Resetting plunger, holder and funnel	S00 to S10/S12	3RU19 00-1A
② Matching pushbutton IP 65, Ø 22 mm	S00 to S10/S12	3SB30 00-0EA11
③ Extension ram	S00 to S10/S12	3SX1335

Terminal covers

– Cover for cable lug and busbar connection	S3	3RT19 46-4EA1
	S6	3RT19 56-4EA1
	S10/S12	3RT19 66-4EA1
– Cover for terminals	S2	3RT19 36-4EA2
	S3	3RT19 46-4EA2
	S6	3RT19 56-4EA2
	S10/S12	3RT19 66-4EA2
– Cover for screw connection between the contactor and overload relay without terminal (1 unit is required for each combination)	S6	3RT19 56-4EA3
	S10/S12	3RT19 66-4EA3



Version	For size	Order No.
Module for remote RESET, electrical with operating range 0.85 to 1.1 x U_N Power consumption 80 VA AC, 70 W DC and on period 0.2 to 4 s Switching frequency 60/h		
24 to 30 V AC/DC	S00 to S10/S12	3RU19 00-2AB71
110 to 127 V AC/DC	S00 to S10/S12	3RU19 00-2AF71
220 to 250 V AC/DC	S00 to S10/S12	3RU19 00-2AM71



Version	For size	Order No.
Cable release with support for RESET for holes Ø 6.5 mm		
Length 400 mm	S00 to S10/S12	3RU19 00-1B
in the switchboard; Length 600 mm	S00 to S10/S12	3RU19 00-1C
max. switchboard thickness 8 mm		

Frame terminal block

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

Star-delta combination up to 75 kW

Notes



S00

Contactor combinations

Three-phase motor AC-3/400 V		Size	Ready 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

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.

Siemens AG

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