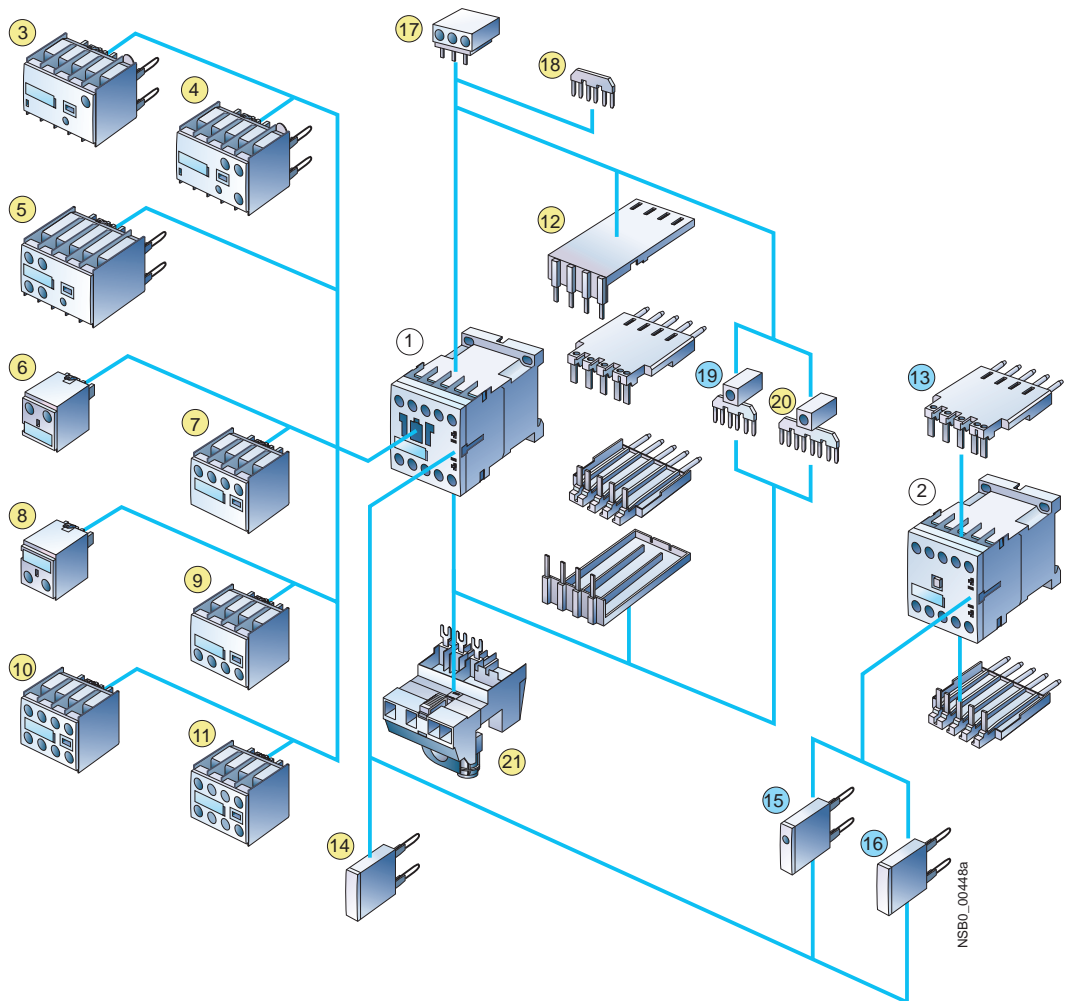


## Overview

### 3RT1 contactors and coupling relays Size S00 with mountable accessories

The SIRIUS generation of controls is a complete, modular system family, logically designed right down to the last detail, from the basic units to the accessories.



- ① Contactor (page 3/15)
- ② Coupling relay (page 3/79)

- ③ Solid-state time-delay block, ON-delay (page 3/106)
- ④ Solid-state time-delay block, OFF-delay (page 3/106)
- ⑤ Auxiliary switch block with solid-state time delay (page 3/105) (ON or OFF-delay or wye-delta function)
- ⑥ 1-pole auxiliary switch block, cable entry from above (page 3/100)
- ⑦ 2-pole auxiliary switch block, cable entry from above (page 3/100)
- ⑧ 1-pole auxiliary switch block, cable entry from below (page 3/100)
- ⑨ 2-pole auxiliary switch block, cable entry from below (page 3/100)
- ⑩ 4-pole auxiliary switch block (page 3/100) (terminal designations according to EN 50012 or EN 50005)
- ⑪ 2-pole auxiliary switch block, standard version or solid-state time-delay version (pages 3/100, 3/105) (terminal designations according to EN 50005)
- ⑫ Solder pin adapter for contactors with 4-pole auxiliary switch block (page 3/111)
- ⑬ Solder pin adapter for contactors and coupling relays (page 3/110)

- ⑭ Additional load module for increasing the permissible residual current (page 3/109)
- ⑮ Surge suppressor with LED (page 3/108)
- ⑯ Surge suppressor without LED (page 3/108)
- ⑰ 3-phase feeder terminal (page 3/47)
- ⑱ Link for paralleling (star jumper), 3-pole, without terminal (page 3/47)
- ⑲ Link for paralleling, 3-pole, with terminal (page 3/111)
- ⑳ Link for paralleling, 4-pole, with terminal (page 3/111)
- ㉑ Connection module (adapter and plug) for contactors with screw-type connection (page 3/110)

- For contactors
- For contactors and coupling relays (interface)

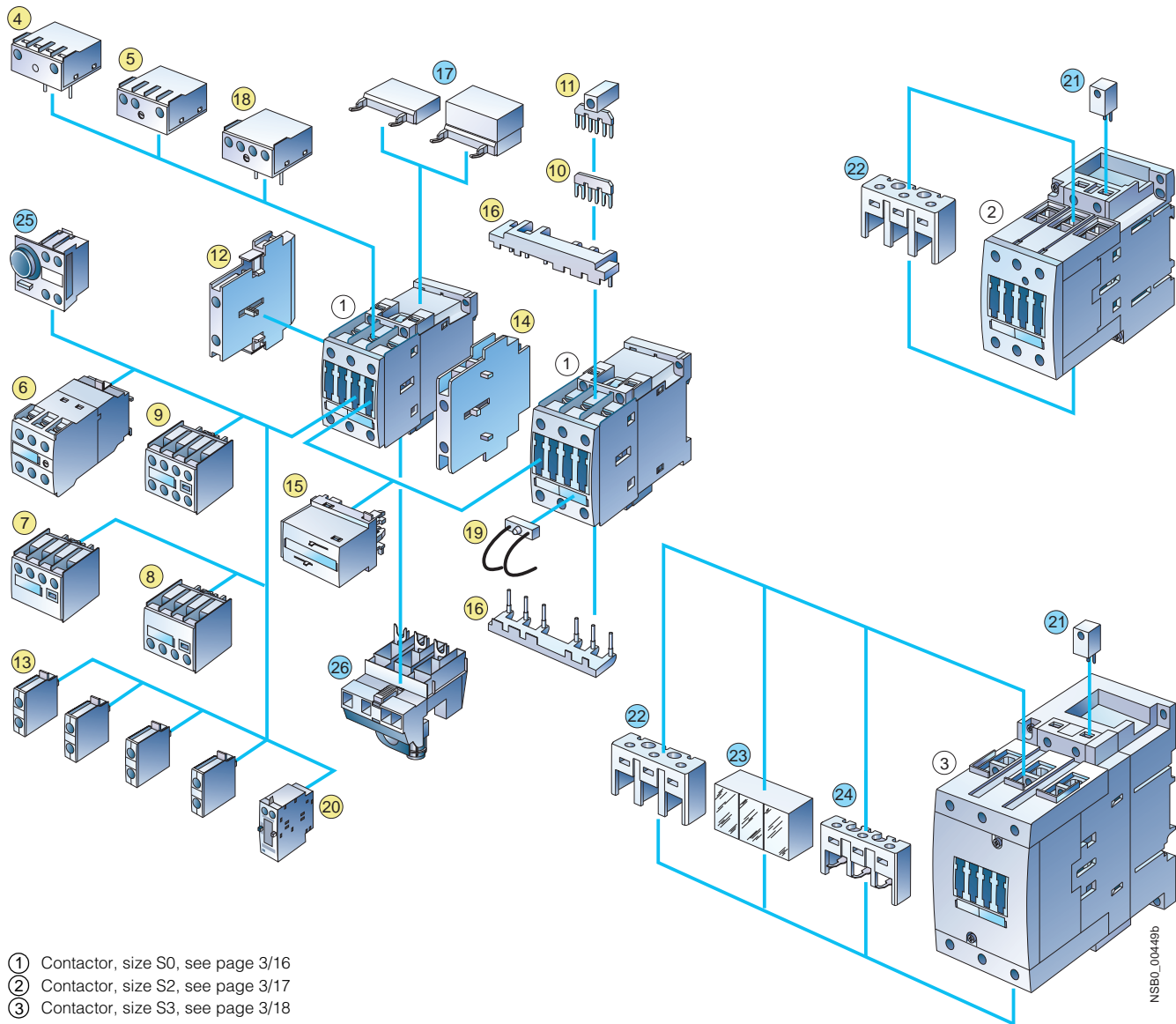
For contactor assemblies see pages 3/32 to 3/39. For installation kit for reversing contactor assemblies (mech. interlocking, wiring modules) see page 3/38. For mountable overload relays see Protection Equipment: Overload Relays. For fuseless load feeders, see Load Feeders, Motor Starters and Soft Starters -> 3RA Fuseless Load Feeders

# 3RT, 3TB, 3TF Contactors for Switching Motors

## General data

### 3RT1 contactors

#### Sizes S0 to S3 with mountable accessories



- ① Contactor, size S0, see page 3/16
- ② Contactor, size S2, see page 3/17
- ③ Contactor, size S3, see page 3/18

#### For sizes S0 to S3:

- ④ Solid-state time-delay block, ON-delay (page 3/106)
- ⑤ Solid-state time-delay block, OFF-delay (page 3/106)
- ⑥ Auxiliary switch block with solid-state time delay (page 3/105)  
(ON or OFF-delay or wye-delta function)
- ⑦ 2-pole auxiliary switch block, cable entry from above (page 3/101)
- ⑧ 2-pole auxiliary switch block, cable entry from below (page 3/101)
- ⑨ 4-pole auxiliary switch block (page 3/101)  
(terminal designations according to EN 50012 or EN 50005)
- ⑩ Link for paralleling (star jumper), 3-pole,  
without connection terminal (page 3/47)
- ⑪ Link for paralleling, 3-pole, with terminal (page 3/111)
- ⑫ 2-pole auxiliary switch block, laterally mountable left or right  
(page 3/103) (terminal designations according to EN 50012 or EN 50005)
- ⑬ Single-pole auxiliary switch block (up to 4 can be snapped on) (page 3/101)
- ⑭ Mechanical interlock, laterally mountable (page 3/37)
- ⑮ Mechanical interlock, mountable on the front (page 3/37)
- ⑯ Wiring modules on the top and bottom (reversing duty) (page 3/39)
- ⑰ Surge suppressor (page 3/107) (varistor, RC element,  
diode assembly), can be mounted on the top or bottom  
(different for S0 and S2/S3)

- ⑱ Coupling link for mounting directly onto contactor coil (page 3/110)
- ⑲ LED module for indicating contactor operation (page 3/110)

#### Only for size S0:

- ⑳ Pneumatic delay block (page 3/106)
- ㉑ Connection module (adapter and plug) for contactors with screw-type  
connection (page 3/110)

#### Only for sizes S0 and S2:

- ㉒ Mechanical latching (page 3/106)

#### Only for sizes S2 and S3:

- ㉓ Coil repeat terminal for making contactor assemblies (page 3/37)
- ㉔ Terminal cover for box terminals (page 3/112)

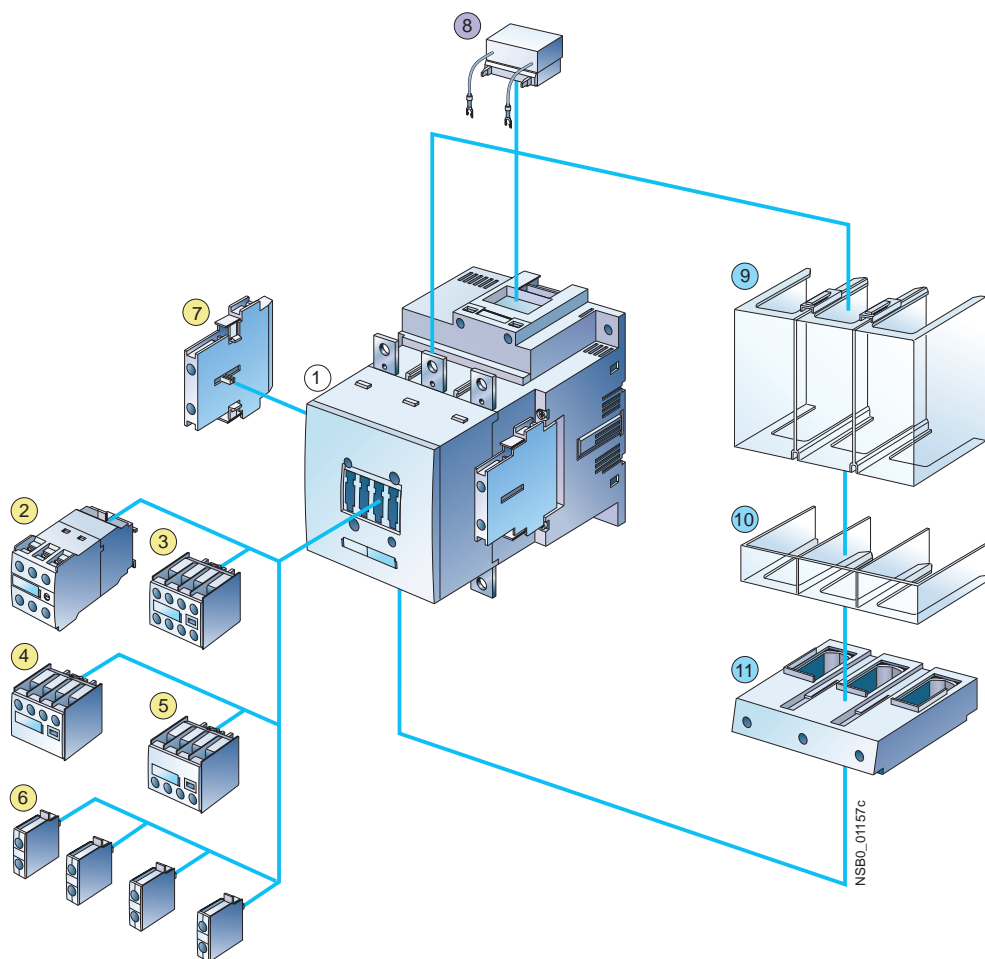
#### Only for size S3:

- ㉕ Terminal cover for cable lugs and busbar connections (page 3/112)
- ㉖ Auxiliary conductor terminal, 3-pole (page 3/110)

- Accessories identical for sizes S0 to S3
- Accessories differ according to size

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### 3RT1 contactors Sizes S6 to S12 with accessories (illustration for basic unit)



① 3RT10 and 3RT14 air-break contactor, sizes S6, S10 and S12  
(page 3/22 and 3/51)

② Auxiliary switch block with solid-state time delay (page 3/105)  
(ON or OFF-delay or wye-delta function)

③ 4-pole auxiliary switch block (page 3/100)  
(terminal designations according to EN 50012 or EN 50005)

④ 2-pole auxiliary switch block, cable entry from above (page 3/101)

⑤ 2-pole auxiliary switch block, cable entry from below (page 3/101)

⑥ Single-pole auxiliary switch block (up to 4 can be snapped on) (page 3/101)

⑦ 2-pole auxiliary switch block, laterally mountable left or right (page 3/103)  
(terminal designations according to EN 50012 or EN 50005)  
(identical for S0 to S12)

⑧ Surge suppressor (RC element) (page 3/108), for plugging into top of  
withdrawable coil

⑨ Terminal cover for cable lug and busbar connection  
(page 3/112), different for sizes S6 and S10/S12

⑩ Terminal cover for box terminal, (page 3/112),  
different for sizes S6 and S10/S12

⑪ Box terminal block (page 3/112), different for sizes S6 and S10/S12

● Accessories identical for sizes S0 to S12

● Accessories identical for sizes S6 to S12

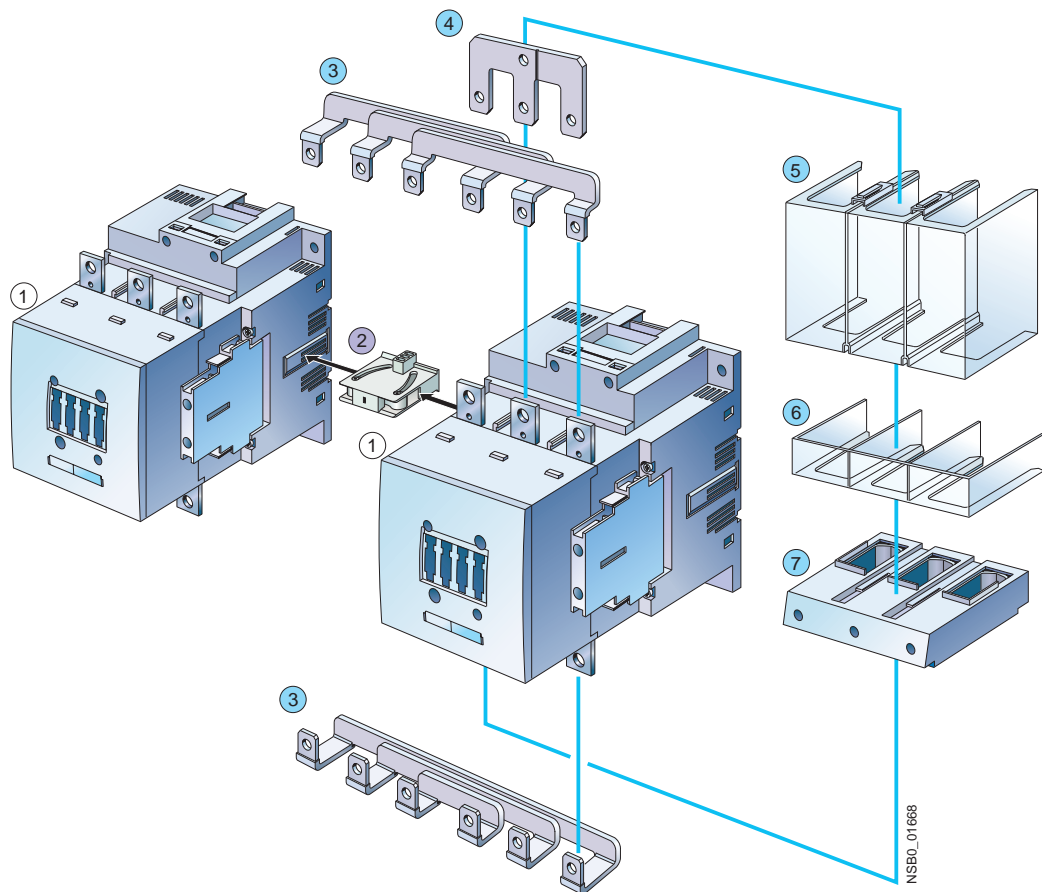
● Accessories differ according to size

For mountable overload relays see Protection Equipment:  
Overload Relays.

# 3RT, 3TB, 3TF Contactors for Switching Motors

## General data

*3RA1 contactor assemblies, 3RT1 contactors  
Size S6 with accessories*



① 3RT10 and 3RT14 air-break contactor, size S6 (page 3/22 and 3/51)

② 3RA19 54-2A mechanical interlock, laterally mountable (page 3/37)

③ 3RA19 53-2A wiring modules on the top and bottom (page 3/39)

④ 3RT19 56-4BA31 link for paralleling (star jumper), 3-pole, with through hole (page 3/111)

⑤ Terminal cover for cable lug and busbar connection (page 3/112), different for sizes S6 and S10/S12

⑥ Terminal cover for box terminal, (page 3/112), different for sizes S6 and S10/S12

⑦ Box terminal block (page 3/112), different for sizes S6 and S10/S12

● Accessories identical for sizes S6 to S12

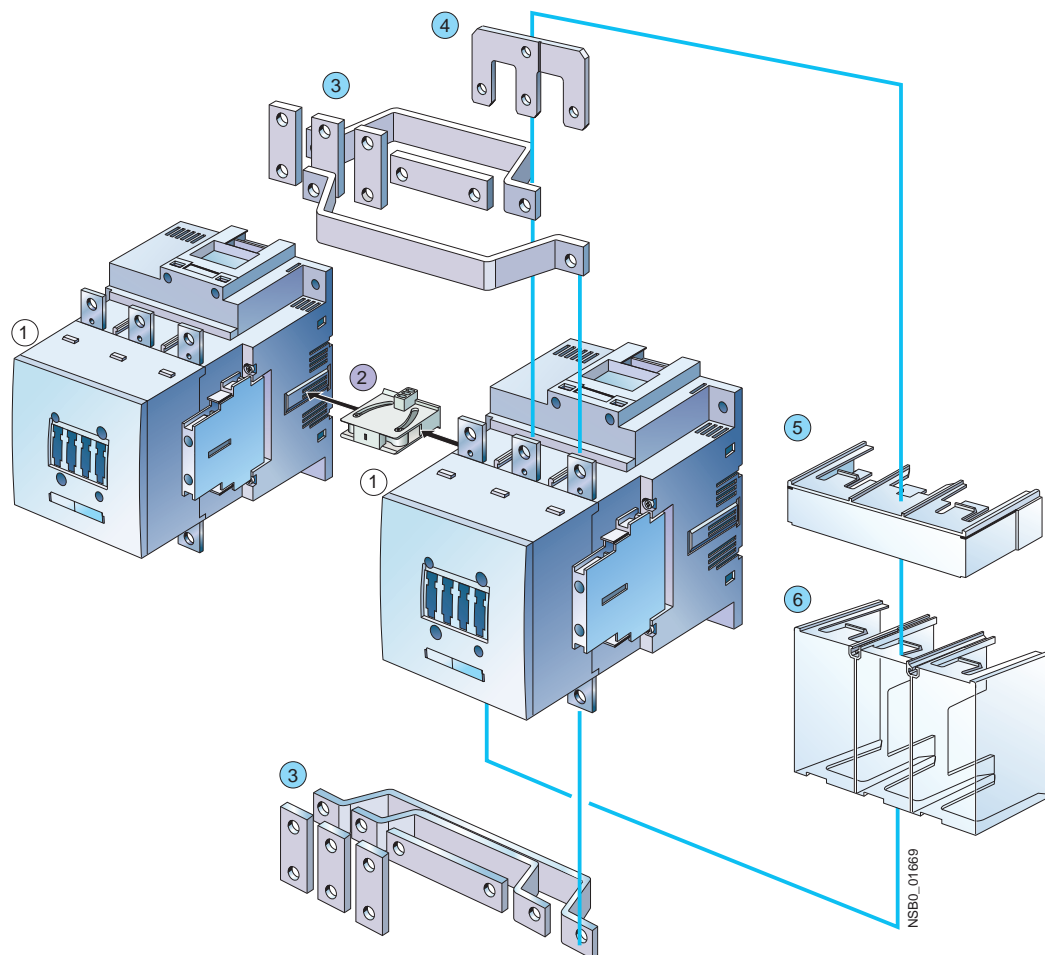
● Accessories differ according to size

For mountable overload relays see [Protection Equipment: Overload Relays](#).

# 3RT, 3TB, 3TF Contactors for Switching Motors

## General data

### 3RA1 contactor assemblies, 3RT1 contactors Sizes S6, S10 and S12 with accessories



① 3RT10 and 3RT14 air-break contactor, sizes S6, S10 and S12  
(page 3/22 and 3/51) or  
3RT12 vacuum contactor, sizes S10 and S12 (page 3/26)

② Mechanical interlock, laterally mountable (page 3/37)

③ 3RA19 wiring modules on the top and bottom (page 3/38)

④ 3RT19 56-4BA31 link for paralleling (star jumper), 3-pole,  
with through hole (page 3/111)

⑤ Terminal cover for box terminal, (page 3/112),  
different for sizes S6 and S10/S12

⑥ Terminal cover for cable lug and busbar connection  
(page 3/112), different for sizes S6 and S10/S12

⑤ Accessories identical for sizes S6 to S12

⑥ Accessories differ according to size

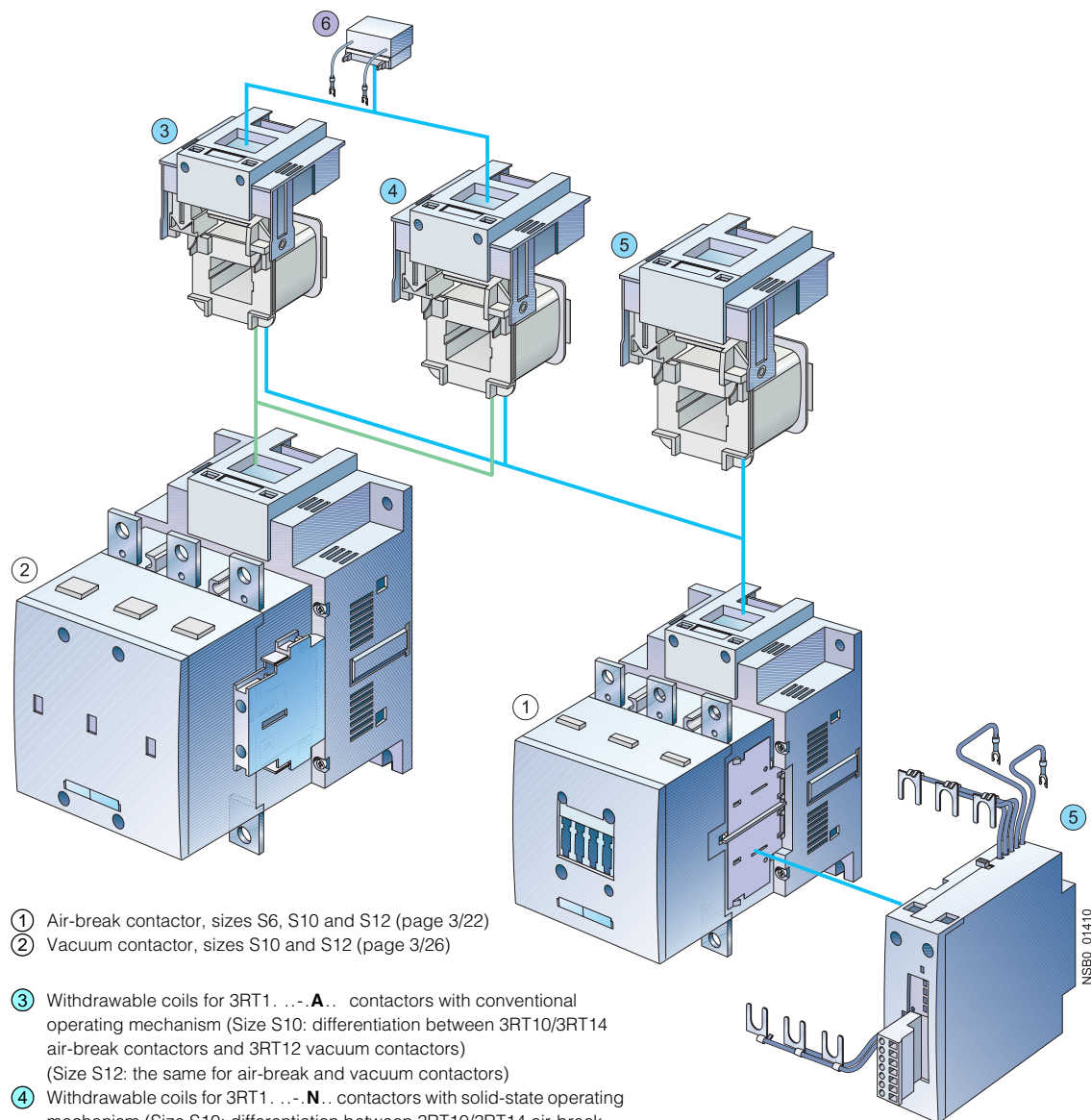
For mountable overload relays see Protection Equipment:  
Overload Relays.

# 3RT, 3TB, 3TF Contactors for Switching Motors

## General data

### 3RT1 contactors

#### Sizes S6 to S12 with accessories



① Air-break contactor, sizes S6, S10 and S12 (page 3/22)

② Vacuum contactor, sizes S10 and S12 (page 3/26)

③ Withdrawable coils for 3RT1...-A... contactors with conventional operating mechanism (Size S10: differentiation between 3RT10/3RT14 air-break contactors and 3RT12 vacuum contactors)  
(Size S12: the same for air-break and vacuum contactors)

④ Withdrawable coils for 3RT1...-N... contactors with solid-state operating mechanism (Size S10: differentiation between 3RT10/3RT14 air-break contactors and 3RT12 vacuum contactors)  
(Size S12: the same for air-break and vacuum contactors)

⑤ Withdrawable coils and laterally mountable module (plug-on) for 3RT1...-P... and 3RT1...-Q... air-break contactors with solid-state operating mechanism and remaining lifetime indicator

⑥ Surge suppressor (RC element) (page 3/107), plug-mountable on withdrawable coils

- 3RT1...-A... with conventional operating mechanism
- 3RT1...-N... with solid-state operating mechanism

● Identical for sizes S6 to S12

● Different according to size

For mountable overload relays see Protection Equipment:  
Overload Relays.