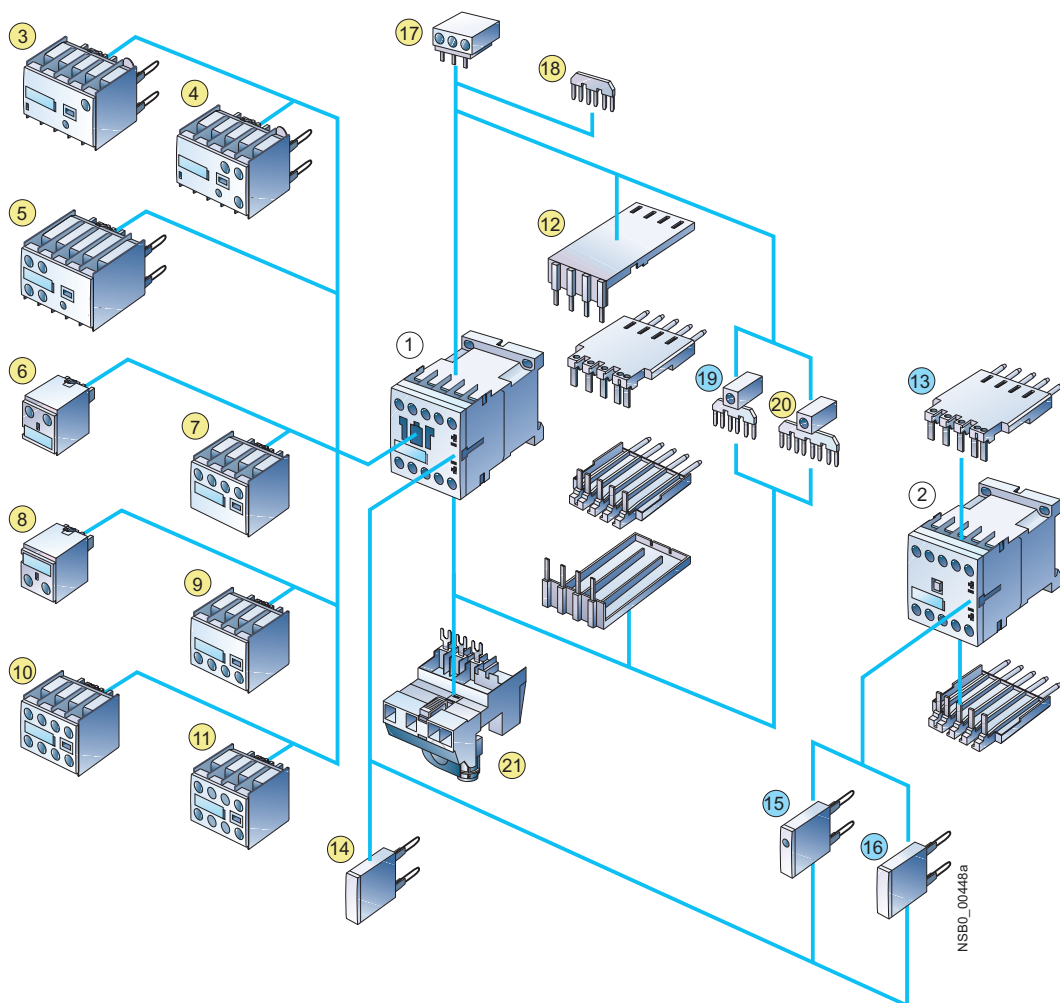


## Overview

### 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
- ② Coupling relay

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

- ⑭ Additional load module for increasing the permissible residual current
- ⑮ Surge suppressor with LED
- ⑯ Surge suppressor without LED
- ⑰ 3-phase feeder terminals
- ⑱ Link for paralleling (star jumper), 3-pole, without terminal
- ⑲ Links for paralleling, 3-pole, with terminal
- ⑳ Links for paralleling, 4-pole, with terminal
- ㉑ Connection module (adapter and connector) for contactors with screw-type connection

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

For contactor assemblies see pages 3/84 to 3/85.  
For installation kit for reversing contactor assemblies (mech. interlocking, wiring modules) see Catalog LV 1.  
For mountable overload relays see Protection Equipment: Overload Relays.

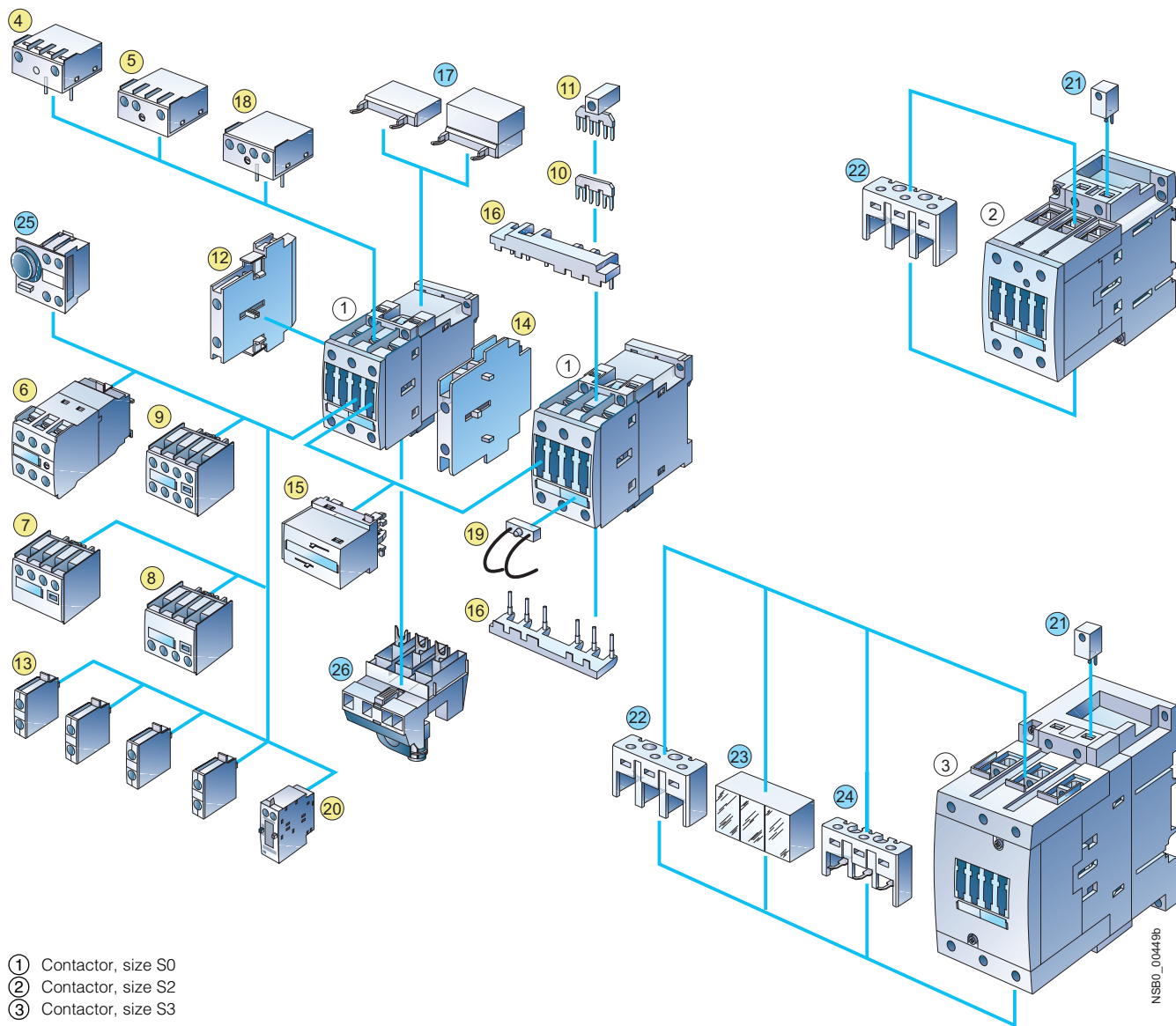
For fuseless load feeders, see Load Feeders, Motor Starters and Soft Starters -> 3RA Fuseless Load Feeders.

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

## General data

### 3RT1 contactors

#### Sizes S0 to S3 with mountable accessories



- ① Contactor, size S0
- ② Contactor, size S2
- ③ Contactor, size S3

#### For sizes S0 to S3:

- ④ Solid-state time-delay block, ON-delay
- ⑤ Solid-state time-delay block, OFF-delay
- ⑥ Auxiliary switch block with solid-state time delay (ON or OFF-delay or wye-delta function)
- ⑦ 2-pole auxiliary switch block, cable entry from above
- ⑧ 2-pole auxiliary switch block, cable entry from below
- ⑨ 4-pole auxiliary switch block (terminal designation according to EN 50012 or EN 50005)
- ⑩ Link for paralleling (star jumper), 3-pole, without terminal
- ⑪ Link for paralleling, 3-pole, with terminal
- ⑫ 2-pole auxiliary switch block, laterally mountable left or right (terminal designation according to EN 50012 or EN 50005)
- ⑬ Single-pole auxiliary switch block (up to 4 can be snapped on)
- ⑭ Mechanical interlock, laterally mountable
- ⑮ Mechanical interlock, mountable on the front
- ⑯ Wiring modules on the top and bottom (reversing duty)
- ⑰ Surge suppressor (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
- ⑲ LED module for indicating contactor operation

#### Only for size S0:

- ⑳ Pneumatic delay block
- ㉑ Connection module (adapter and connector) for contactors with screw-type connection

#### Only for sizes S0 and S2:

- ㉒ Mechanical latching

#### Only for sizes S2 and S3:

- ㉓ Coil repeat terminal for making contactor assemblies
- ㉔ Terminal cover for box terminal

#### Only for size S3:

- ㉕ Terminal covers for cable lug and bar connection
- ㉖ Auxiliary conductor terminal, 3-pole

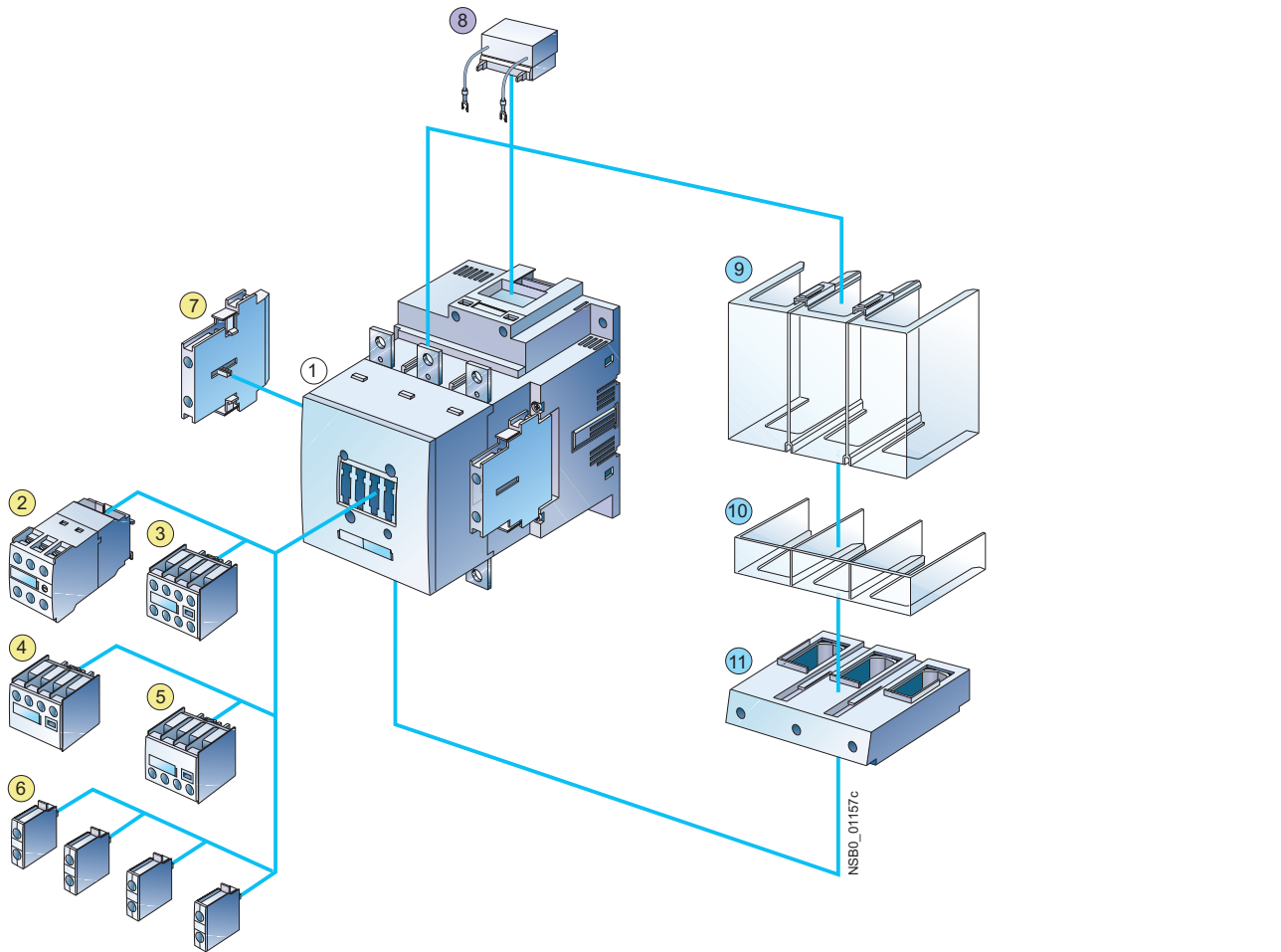
● Accessories identical for sizes S0 to S3

● Accessories differ according to size

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

## General data

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



① 3RT10 and 3RT14 air-break contactor, sizes S6, S10 and S12

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

③ 4-pole auxiliary switch block  
(terminal designation according to EN 50012 or EN 50005)

④ 2-pole auxiliary switch block, cable entry from above

⑤ 2-pole auxiliary switch block, cable entry from below

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

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

⑧ Surge suppressor (RC element), for plugging into top of withdrawable coil

⑨ Terminal cover for cable lug and busbar connection,  
different for sizes S6 and S10/S12

⑩ Terminal cover for box terminal, different for sizes S6 and S10/S12

⑪ Box terminal block, different for sizes S6 and S10/S12

● Accessories identical for sizes S0 to S12

● Accessories identical for sizes S6 to S12

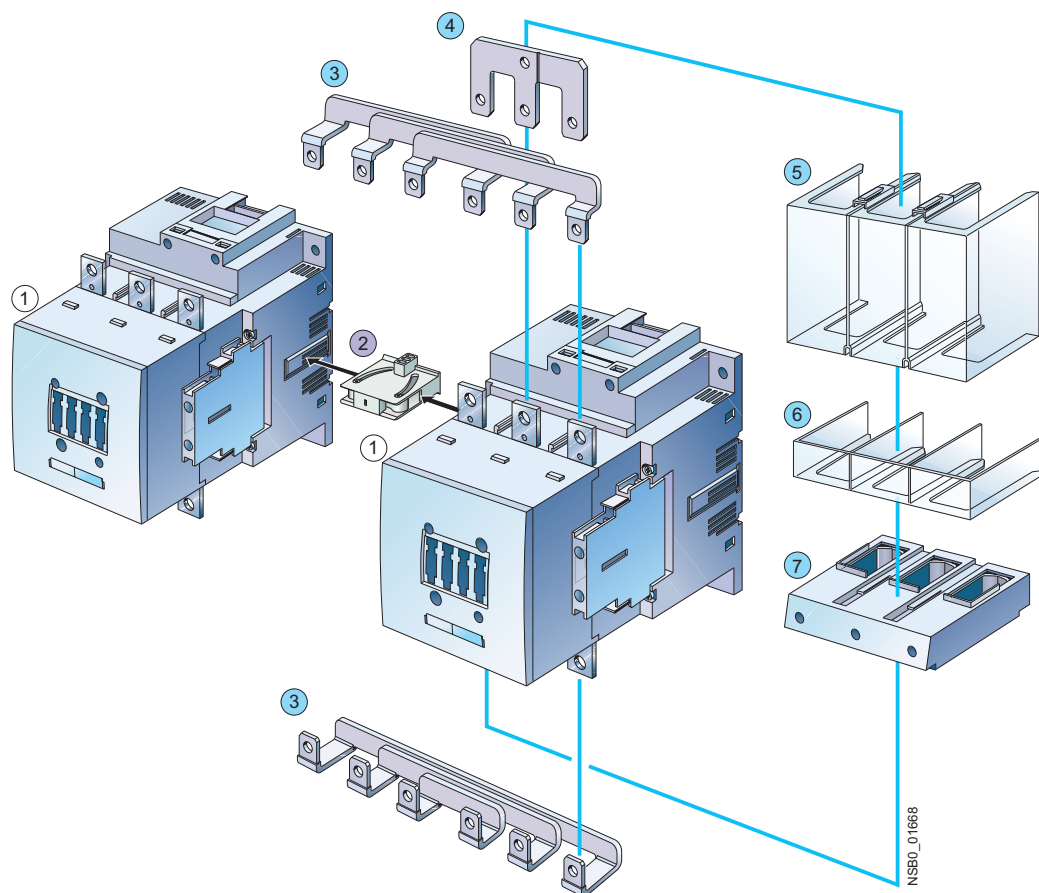
● Accessories differ according to size

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

② 3RA19 54-2A mechanical interlock, laterally mountable

③ 3RA19 53-2A wiring modules on the top and bottom

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

⑤ Terminal cover for cable lug and busbar connection, different for sizes S6 and S10/S12

⑥ Terminal cover for box terminal, different for sizes S6 and S10/S12

⑦ Box terminal block, different for sizes S6 and S10/S12

● Accessories identical for sizes S6 to S12

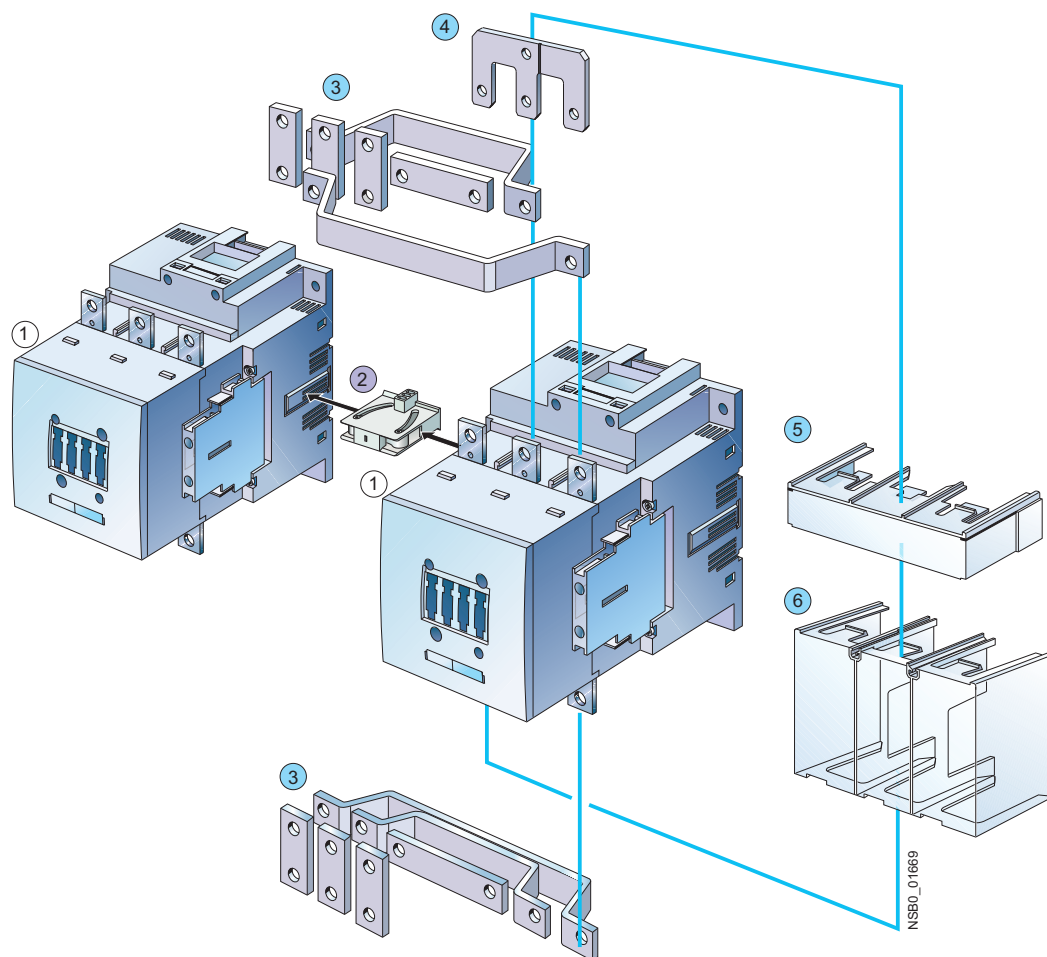
● Accessories differ according to size

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

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

## General data

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



- ① 3RT10 and 3RT14 air-break contactor, sizes S6, S10 and S12 or 3RT12 vacuum contactor, sizes S10 and S12
- ② Mechanical interlock, laterally mountable
- ③ 3RA19 wiring modules on the top and bottom
- ④ 3RT19 56-4BA31 link for paralleling (star jumper), 3-pole, with through hole
- ⑤ Terminal cover for box terminal, different for sizes S6 and S10/S12
- ⑥ Terminal cover for cable lug and busbar connection, different for sizes S6 and S10/S12

- Accessories identical for sizes S6 to S12
- Accessories differ according to size

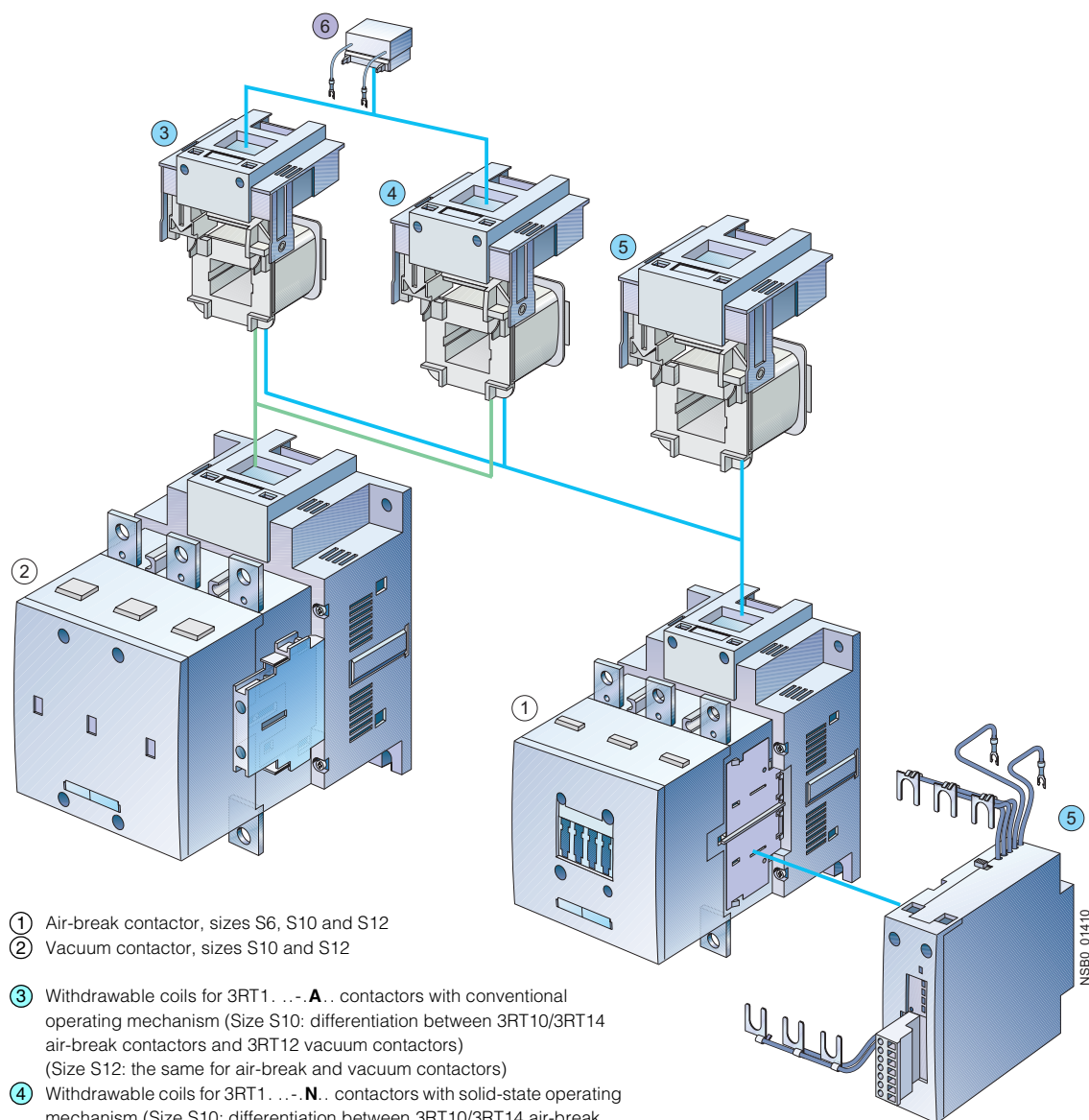
For mountable overload relays see [Protection Equipment: Overload Relays](#).

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

## General data

### 3RT1 contactors

#### Sizes S6 to S12 with accessories



- ① Air-break contactor, sizes S6, S10 and S12  
 ② Vacuum contactor, sizes S10 and S12

- 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...-1Q... air-break contactors with solid-state operating mechanism and remaining lifetime indicator.  
 ⑥ Surge suppressor (RC element), 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