

The background of the entire page is a dark blue grid with yellow circuit diagrams overlaid. Various Siemens SIRIUS modular components, including circuit breakers, contactors, and terminal blocks, are arranged across the grid. Some components are highlighted with yellow circles and lines, suggesting a specific configuration or connection path.

**SIEMENS**

*Ingenuity for life*

# SIRIUS modular system

Selection guide

[siemens.com/sirius-modular-system](https://www.siemens.com/sirius-modular-system)

# Everything for the control cabinet: SIRIUS modular system

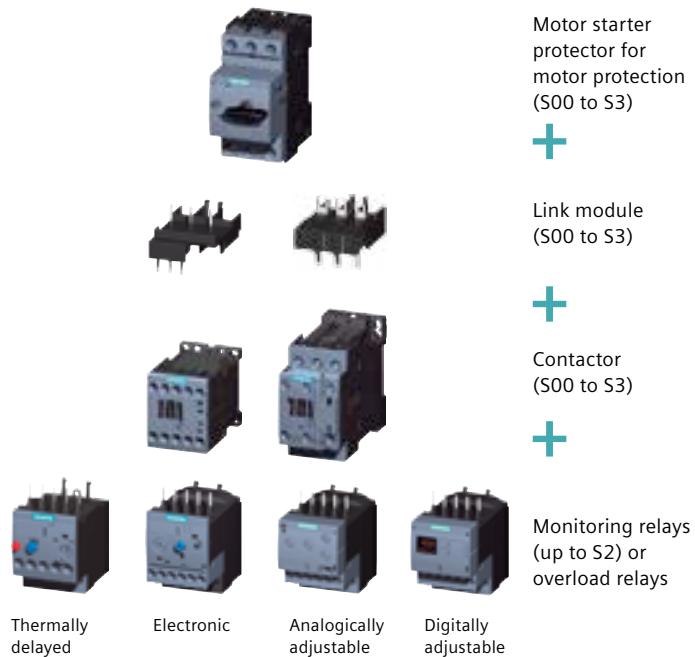
Efficiently combined

## Advantages at a glance:

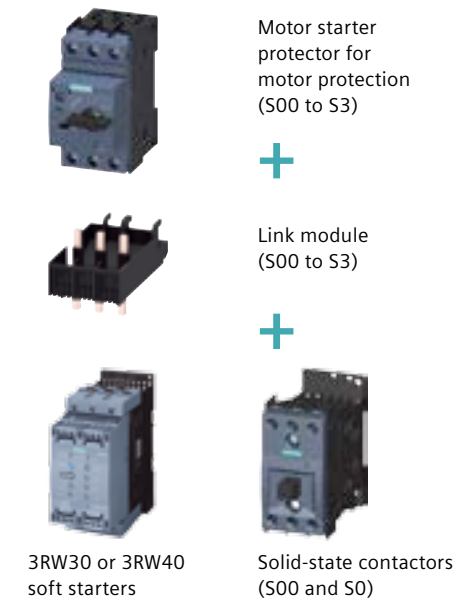
- **Load feeders:** easy to implement up to 250 kW/ 400 V from standard devices with motor starter protectors for motor protection, contactors, overload relays and monitoring relays
- **Modular design:** a host of combination options in standardized design
- **Variants and sizes:** 7 compact sizes
- **Installation:** quick and easy installation of feeders thanks to link modules
- **Accessories:** low variance with uniform accessories
- **Connection types:** screw and spring-type terminals available
- **IE3/IE4 ready:** familiar reliability even when changing over to IE3/IE4 motors
- **Application monitoring:** mountable monitoring relay for simple application monitoring beyond the motor

## Possible combinations depending on requirement:

### Load feeders: Direct start (p. 3–5)



### Load feeders: Soft start, solid-state contactors (p. 6–7)



For frequently switching AC drives on and off, our motor starter protectors can also be combined with solid-state contactors or reversing contactors and an overload relay.

# Load feeders for direct start

Load feeders start loads by a combination of protection and switching functions. A load feeder assembly consisting of motor starter protector, contactor, overload relay or monitoring relay offers suitable combinations for every application.



| کلید حرارتی زیمنس |             | Mot. starter prot.     |             | Contactors       |                    | کنتاکتور زیمنس |              | Overload relays            |   | Monitoring relays    |                                 |              |
|-------------------|-------------|------------------------|-------------|------------------|--------------------|----------------|--------------|----------------------------|---|----------------------|---------------------------------|--------------|
| Three-phase motor |             | Setting range CLASS 10 |             | Solenoid voltage |                    | Aux. switch    |              | Thermally delayed CLASS 10 |   | Electronic CLASS 10E |                                 |              |
| Power [kW]        | Current [A] | Setting range [A]      |             |                  |                    |                |              | Setting range [A]          |   | Meas. range [A]      | Supply voltage 24 – 240 V AC/DC |              |
| Size, width       |             | S00, 45 mm             |             |                  |                    |                |              |                            |   |                      |                                 |              |
| 0.09              | 0.32        | 0.22–0.32              | 3RV2011-0DA | 0                |                    |                |              | 3RU2116-0D                 | 0 | 0.1–0.4              | 3RB3016-1R                      | 0            |
| 0.12              | 0.5         | 0.35–0.5               | 3RV2011-0FA | 0                |                    |                |              | 3RU2116-0F                 | 0 |                      |                                 |              |
| 0.18              | 0.63        | 0.45–0.63              | 3RV2011-0GA | 0                |                    |                |              | 3RU2116-0G                 | 0 | 0.32–1.25            | 3RB3016-1N                      | 0            |
| 0.25              | 1           | 0.7–1                  | 3RV2011-0JA | 0                |                    |                |              | 3RU2116-0J                 | 0 |                      |                                 |              |
| 0.37              | 1.25        | 0.9–1.25               | 3RV2011-0KA | 0                | 230 V AC, 50/60 Hz | 1NO            | 3RT2015-AP01 | 3RU2116-0K                 | 0 |                      |                                 |              |
| 0.55              | 1.6         | 1.1–1.6                | 3RV2011-1AA | 0                |                    | 1NC            | 3RT2015-AP02 | 3RU2116-1A                 | 0 |                      |                                 |              |
| 0.75              | 2           | 1.4–2                  | 3RV2011-1BA | 0                | 24 V DC            | 1NO            | 3RT2015-BB41 | 3RU2116-1B                 | 0 | 1–4                  | 3RB3016-1P                      | 0            |
| 1.1               | 3.2         | 2.2–3.2                | 3RV2011-1DA | 0                |                    | 1NC            | 3RT2015-BB42 | 3RU2116-1D                 | 0 |                      |                                 |              |
| 1.5               | 4           | 2.8–4                  | 3RV2011-1EA | 0                |                    |                |              | 3RU2116-1E                 | 0 |                      |                                 |              |
| 2.2               | 6.3         | 4.5–6.3                | 3RV2011-1GA | 0                |                    |                |              | 3RU2116-1G                 | 0 |                      |                                 |              |
| 3                 | 8           | 5.5–8                  | 3RV2011-1HA | 0                |                    |                |              | 3RU2116-1H                 | 0 |                      |                                 |              |
| 4                 | 10          | 7–10                   | 3RV2011-1JA | 0                | 230 V AC, 50/60 Hz | 1NO            | 3RT2016-AP01 | 3RU2116-1J                 | 0 | 3–12                 | 3RB3016-1S                      | 0            |
|                   |             |                        |             |                  |                    | 1NC            | 3RT2016-AP02 |                            |   |                      |                                 |              |
|                   |             |                        |             |                  | 24 V DC            | 1NO            | 3RT2016-BB41 |                            |   |                      |                                 |              |
|                   |             |                        |             |                  |                    | 1NC            | 3RT2016-BB42 |                            |   |                      |                                 |              |
| 5.5               | 12.5        | 9–12.5                 | 3RV2011-1KA | 0                | 230 V AC, 50/60 Hz | 1NO            | 3RT2017-AP01 | 3RU2116-1K                 | 0 |                      |                                 |              |
|                   |             |                        |             |                  |                    | 1NC            | 3RT2017-AP02 |                            |   |                      |                                 |              |
|                   |             |                        |             |                  | 24 V DC            | 1NO            | 3RT2017-BB41 |                            |   |                      |                                 |              |
|                   |             |                        |             |                  |                    | 1NC            | 3RT2017-BB42 |                            |   |                      |                                 |              |
| 7.5               | 16          | 11–16                  | 3RV2011-4AA | 0                | 230 V AC, 50/60 Hz | 1NO            | 3RT2018-AP01 | 3RU2116-4A                 | 0 | 4–16                 | 3RB3016-1T                      | 0            |
|                   |             |                        |             |                  |                    | 1NC            | 3RT2018-AP02 |                            |   |                      |                                 |              |
|                   |             |                        |             |                  | 24 V DC            | 1NO            | 3RT2018-BB41 |                            |   |                      |                                 |              |
|                   |             |                        |             |                  |                    | 1NC            | 3RT2018-BB42 |                            |   |                      |                                 |              |
|                   |             |                        |             |                  |                    |                |              |                            |   | 1.6–16               | 3RR2141-AW30                    | 3RR2241-FW30 |

|  |  |  |  |  |
|--|--|--|--|--|
| Screw terminals: 1<br>Spring-type term. to 32 A: 2 | Screw terminals: 1<br>Spring-type term.: 2 | Screw terminals: B<br>Spring-type term.: C | Screw terminals: B<br>Spring-type term.: E | Screw terminals: 1<br>Spring-type term.: 2 |
|--|--|--|--|--|

|                   |             |                        | Mot. starter prot. | Contactors       |             |                 | Overload relays            |                      | Monitoring relays |  |  |
|-------------------|-------------|------------------------|--------------------|------------------|-------------|-----------------|----------------------------|----------------------|-------------------|--|--|
| Three-phase motor |             | Setting range CLASS 10 |                    | Solenoid voltage | Aux. switch |                 | Thermally delayed CLASS 10 | Electronic CLASS 10E |                   | 2-phase Basic, analogically adjustable | 3-phase Standard, digitally adjustable |
| Power [kW]        | Current [A] | [A]                    |                    |                  |             |                 | Setting range [A]          |                      | Meas. range [A]   | Supply voltage 24 – 240 V AC/DC        |  |
| Size, width       |             |                        | S0, 55 mm          |                  |             |                 |                            |                      |                   |  |  |
| 7.5               | 16          | 10–16                  | 3RV2021-4AA        | 0                | *2          | 230 V AC, 50 Hz | 1NO+1NC 3RT2025-           | AP00                 | 3RU2126-4A        | 0                                      |  |
| 7.5               | 20          | 13–20                  | 3RV2021-4BA        | 0                |             | 24 V DC         | 1NO+1NC 3RT2025-           | BB40                 | 3RU2126-4B        | 0                                      |  |
| 11                | 22          | 16–22                  | 3RV2021-4CA        | 0                | *2          | 230 V AC, 50 Hz | 1NO+1NC 3RT2026-           | AP00                 | 3RU2126-4C        | 0                                      |  |
| 11                | 25          | 18–25                  | 3RV2021-4DA        | 0                |             | 24 V DC         | 1NO+1NC 3RT2026-           | BB40                 | 3RU2126-4D        | 0                                      |  |
| 15                | 28          | 23–28                  | 3RV2021-4NA        | 0                | *2          | 230 V AC, 50 Hz | 1NO+1NC 3RT2027-           | AP00                 | 3RU2126-4N        | 0                                      | 10–40                                  |
| 15                | 32          | 27–32                  | 3RV2021-4EA        | 0                |             | 24 V DC         | 1NO+1NC 3RT2027-           | BB40                 | 3RU2126-4E        | 0                                      |  |
| 18.5              | 36          | 30–36                  | 3RV2021-4PA        | 1                | *2          | 230 V AC, 50 Hz | 1NO+1NC 3RT2028-           | AP00                 | 3RU2126-4P        | 0                                      | 4–40                                   |
| 18.5              | 40          | 34–40                  | 3RV2021-4FA        | 1                |             | 24 V DC         | 1NO+1NC 3RT2028-           | BB40                 | 3RU2126-4F        | 0                                      |  |

Screw terminals: 1  
Spring-type term. to 32 A: 2

Screw terminals: 1  
Spring-type term.: 2

Screw terminals: B  
Spring-type term.: C

Screw terminals: B  
Spring-type term.: E

Screw terminals: 1  
Spring-type term.: 2

|             |     |        |           |        |    |                 |                  |      |              |  |        |
|-------------|-----|--------|-----------|--------|----|-----------------|------------------|------|--------------|--|--------|
| Size, width |     |        | S2, 55 mm |        |    |                 |                  |      |              |  |        |
| 18.5        | 36  | 28–36  | 3RV203    | -4PA10 | *3 | 230 V AC, 50 Hz | 1NO+1NC 3RT2035- | AP00 | 3RU2136-4EB0 |  |        |
| 18.5        | 40  | 32–40  | 3RV203    | -4UA10 |    | 20 – 33 V AC/DC | 1NO+1NC 3RT2035- | NB30 | 3RU2136-4FB0 |  |        |
| 22          | 45  | 35–45  | 3RV203    | -4VA10 | *3 | 230 V AC, 50 Hz | 1NO+1NC 3RT2036- | AP00 | 3RU2136-4GB0 |  |        |
| 22          | 52  | 42–52  | 3RV203    | -4WA10 |    | 20 – 33 V AC/DC | 1NO+1NC 3RT2036- | NB30 | 3RU2136-4HB0 |  |        |
| 30          | 59  | 49–59  | 3RV203    | -4XA10 | *3 | 230 V AC, 50 Hz | 1NO+1NC 3RT2037- | AP00 | 3RU2136-4QB0 |  | 20–80  |
| 30          | 65  | 54–65  | 3RV203    | -4JA10 |    | 20 – 33 V AC/DC | 1NO+1NC 3RT2037- | NB30 | 3RU2136-4JB0 |  |        |
| 37          | 73  | 62–73  | 3RV203    | -4KA10 | *3 | 230 V AC, 50 Hz | 1NO+1NC 3RT2038- | AP00 | 3RU2136-4KB0 |  |        |
| 37          | 80  | 70–80  | 3RV203    | -4RA10 |    | 20 – 33 V AC/DC | 1NO+1NC 3RT2038- | NB30 | 3RU2136-4RB0 |  |        |
| Size, width |     |        | S3, 70 mm |        |    |                 |                  |      |              |  |        |
| 22          | 50  | 36–50  | 3RV204    | -4HA10 |    | 230 V AC, 50 Hz | 1NO+1NC 3RT2045- | AP00 | 3RU2146-4HB0 |  |        |
| 30          | 63  | 45–63  | 3RV204    | -4JA10 | *4 | 20 – 33 V AC/DC | 1NO+1NC 3RT2045- | NB30 | 3RU2146-4JB0 |  |        |
| 37          | 75  | 57–75  | 3RV204    | -4KA10 |    |                 |                  |      | 3RU2146-4KB0 |  |        |
| 45          | 84  | 65–84  | 3RV204    | -4RA10 | *4 | 230 V AC, 50 Hz | 1NO+1NC 3RT2046- | AP00 | 3RU2146-4LB0 |  | 32–115 |
| 45          | 93  | 75–93  | 3RV204    | -4YA10 |    | 20 – 33 V AC/DC | 1NO+1NC 3RT2046- | NB30 |              |  |        |
| 45/55       | 100 | 80–100 | 3RV204    | -4MA10 | *4 | 230 V AC, 50 Hz | 1NO+1NC 3RT2047- | AP00 | 3RU2146-4MB0 |  |        |
|             |     |        |           |        |    | 20 – 33 V AC/DC | 1NO+1NC 3RT2047- | NB30 |              |  |        |

Standard switching cap. 65 kA: 1  
Increased switching cap. 100 kA: 2

Screw terminals: 1  
Spring-type term. in aux. circuit: 3

Contactor mounting  
Straight-through transf.  
Screw terminals: B0  
Spring-type term.: D0  
Screw term.: W1  
Spring-type term.: X1

Screw terminals: 1  
Spring-type term.: 3

#### Necessary accessories: link module from motor starter protector to contactor

| Size                |       | Screw terminals  | Spring-type terminals (only for S00 and S0) |
|---------------------|-------|------------------|---|
| S00 up to max. 32 A | AC/DC | *1 3RA1921-1DA00 | 3RA2911-2AA00                               |
| S0 up to max. 32 A  | AC    | *2 3RA2921-1AA00 | 3RA2921-2AA00                               |
| S0 up to max. 32 A  | DC    | *2 3RA2921-1BA00 | 3RA2921-2AA00                               |
| S2 up to max. 65 A  | AC/DC | *3 3RA2931-1AA00 | –   |
| S3                  | AC/DC | *4 3RA1941-1AA00 | –   |

# Accessories

## 3RV motor starter protectors/circuit breakers

| Size            | Mountable accessories                       | Design                               | Screw terminals              | Spring-type terminals        |                          |
|-----------------|---|--------------------------------------|------------------------------|------------------------------|--------------------------|
| S00, S0, S2, S3 | Transverse auxiliary switch                 | 1CO                                  | 3RV2901-1D                   | –                            |                          |
|                 | Lateral (left) auxiliary switch             | 1NO+1NC                              | 3RV2901-1E                   | 3RV2901-2E                   |                          |
|                 | Signaling switch                            | 1NO+1NC                              | 3RV2901-1A                   | 3RV2901-2A                   |                          |
|                 | Shunt release                               | 2NO                                  | 3RV2901-1B                   | 3RV2901-2B                   |                          |
|                 | Undervoltage release                        | 1NO+1NC                              | 3RV2921-1M                   | 3RV2921-2M                   |                          |
|                 | Door-coupling rotary op. mech. 130 mm shaft | 210 ... 240 V AC<br>24 V DC          | 3RV2902-1DP0<br>3RV2902-1DB0 | 3RV2902-2DP0<br>3RV2902-2DB0 |                          |
|                 | S00, S0                                     | Molded-plas. encl. f. surf. mounting | 230 V AC<br>24 V DC          | 3RV2902-1AP0<br>3RV2902-2AP0 | –                        |
|                 |   | IP55, black                          | Black                        |                              | 3RV2926-0B<br>3RV2926-0C |
|                 | S2  | Molded-plas. encl. f. surf. mounting | 54 mm wide                   | 3RV1923-1CA00                |                          |
|                 |   |                                      | 72 mm wide                   | 3RV1923-1DA00                |                          |
| S00, S0         | Molded-plas. encl. f. surf. mounting        | 82 mm wide                           | 3RV1933-1DA00                |                              |                          |
|                 |   | 54 mm wide                           | 3RV1923-1FA00                |                              |                          |
| S2              | IP55, EMERG. STOP                           | 72 mm wide                           | 3RV1923-1GA00                |                              |                          |
|                 |   | 82 mm wide                           | 3RV1933-1GA00                |                              |                          |

## 3RV29 infeed system

For sizes S00 and S0, the simplest method is to connect the components via the associated SIRIUS 3RV29 infeed system in each case.

### 3-phase busbar for 2 motor starter protectors size S00/S0

With infeed on the left (incl. 3RV2917-6A end cover) 3RV2917-1A  
 With infeed on the right (incl. 3RV2917-6A end cover) 3RV2917-1E  
 For system expansion (incl. 3RV2917-5BA00 expansion plug) 3RV2917-4A

### Plug-in connectors for contact with motor starter protectors

|          |                       |               |
|----------|-----------------------|---------------|
| Size S00 | Screw terminals       | 3RV2917-5CA00 |
|          | Spring-type terminals | 3RV2917-5AA00 |
| Size S0  | Screw terminals       | 3RV1927-5AA00 |
|          | Spring-type terminals | 3RV2927-5AA00 |

**Contactor base for contactors size S00, S0** 3RV2927-7AA00

## Contactors

| Auxiliary switch blocks, on front S00, S0, S2, S3 | Screw terminals | Spring-type terminals |
|---|-----------------|-----------------------|
| 1NC   | 3RH2911-1HA01   | 3RH2911-2HA01         |
| 1NO+1NC   | 3RH2911-1HA11   | 3RH2911-2HA11         |
| 2NO+2NC   | 3RH2911-1HA22   | 3RH2911-2HA22         |
| 1NO   | 3RH2911-1HA10   | 3RH2911-2HA10         |
| 2NO   | 3RH2911-1HA20   | 3RH2911-2HA20         |

## Surge suppressors

| Size S00    | Plug-in              |               |
|-------------|----------------------|---------------|
| Without LED | Varistor             | 3RT2916-1BD00 |
| With LED    | 127 ... 240 V AC     | 3RT2916-1JL00 |
| Without LED | RC element           | 3RT2916-1CD00 |
| Without LED | Suppr. diode 24 V DC | 3RT2916-1DG00 |
| Size S0     |                      |               |
| Without LED | Varistor             | 3RT2926-1BD00 |
| With LED    | 127 ... 240 V AC     | 3RT2926-1JL00 |
| Without LED | RC element           | 3RT2926-1CD00 |
| Without LED | Diode assy. 24 V DC  | 3RT2926-1ER00 |
| Size S2     |                      |               |
| Without LED | Varistor             | 3RT2936-1BD00 |
| With LED    | 127 ... 240 V AC     | 3RT2936-1JL00 |
| Without LED | RC element           | 3RT2936-1CD00 |
| Size S3     |                      |               |
| Without LED | Varistor             | 3RT2936-1BD00 |
| With LED    | 127 ... 240 V AC     | 3RT2936-1JL00 |
| Without LED | RC element           | 3RT2946-1CD00 |

## Coil terminal module

|                       | Size S0 – S3  | Size S0       |
|-----------------------|---------------|---------------|
| Connection from below | 3RT2926-4RB11 | 3RT2926-4RB12 |

## Overload relays and monitoring relays

| Terminal supports f. stand-alone inst. | Screw terminals | Spring-type terminals |
|--|-----------------|-----------------------|
| S00                                    | 3RU2916-3AA01   | 3RU2916-3AC01         |
| S0                                     | 3RU2926-3AA01   | 3RU2926-3AC01         |
| S2                                     | 3RU2936-3AA01   | –                     |
| S3                                     | 3RU2946-3AA01   | –                     |

## Wiring kit for contactors

### Reversing contactor assembly

|     |              |                                  |
|-----|--------------|----------------------------------|
| S00 | 3RA2913-2AA1 | 3RA2913-2AA2                     |
| S0  | 3RA2923-2AA1 | 3RA2923-2AA2 (main circuit only) |
| S2  | 3RA2933-2AA1 | 3RA2933-2AA2 (main circuit only) |
| S3  | 3RA2943-2AA1 | 3RA2943-2AA2 (main circuit only) |

### Contactor assy. f. wye-delta start

|     |              |                                  |
|-----|--------------|----------------------------------|
| S00 | 3RA2913-2BB1 | 3RA2913-2BB2                     |
| S0  | 3RA2923-2BB1 | 3RA2923-2BB2 (main circuit only) |
| S2  | 3RA2933-2BB1 | 3RA2933-2BB2*                    |
| S3  | 3RA2943-2BB1 | 3RA2943-2BB2*                    |

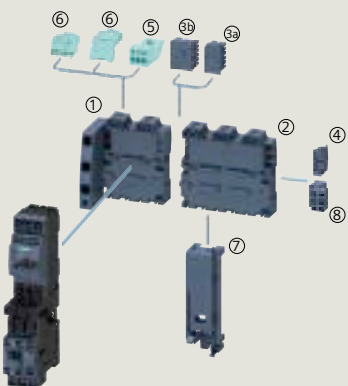
\*main circuit only, set of cables for auxiliary circuit

### Wye-delta function module, plug-in



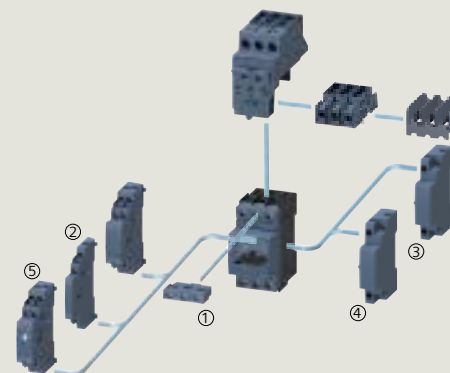
Comprising one basic module and two coupling modules, rated control supply voltage 24 ... 240 V AC/DC, time setting range 0.5 ... 60 s (10, 30, 60 s selectable)

|                 |               |
|-----------------|---------------|
| S00, S0, S2, S3 | 3RA2816-0EW20 |
|-----------------|---------------|



### 3RV29 infeed system

- ① 3-phase busbar with infeed
- ② 3-phase busbar for system expansion
- ③ Expansion plug
- ④ Extra-wide expansion plug
- ⑤ End cover
- ⑥ Terminal block for device infeed
- ⑦ Plug-in connector
- ⑧ Contactor base
- ⑨ Terminal block



### Mountable accessories for 3RV motor starter protectors

- ① Transverse auxiliary switch
- ② Lateral auxiliary switch with 2 contacts
- ③ Shunt release (cannot be used for 3RV21 motor starter protector)
- ④ Undervoltage release without/with leading contacts (cannot be used for 3RV21 motor starter protector)
- ⑤ Signaling switch (cannot be used for 3RV27 and 3RV28 circuit breakers)

# Load feeders: Soft starters, solid-state contactors

Soft starters for current-limiting and torque-lim. starts reduce wear on the mech. power-transm. elements of the machine, relieve load on the power supply system and protect the line efficiently against high switch-on peak currents by means of reduced current consumption.

Solid-state contactors are intended for frequently switching AC drives up to 7.5 kW on and off and for reversing up to 3.0 kW. The devices are constructed with complete insulation and can be mounted directly on motor starter protectors.



|                   |             |                        | Mot. starter prot.                                 |   |            | 3RW30 soft starters<br>Oper. voltage 3x200–480 V AC  |                       |           | 3RW40 soft starters<br>Oper. voltage 3x200–480 V AC  |                          |                       | Solid-state contactors<br>Oper. voltage 48–480 V AC  |          | Solid-state reversing contactors<br>Oper. voltage 48–480 V AC  |   |  |
|-------------------|-------------|------------------------|--|---|------------|--|-----------------------|-----------|--|--------------------------|-----------------------|--|----------|--|---|--|
| Three-phase motor |             | Setting range CLASS 10 |  |   |            | Starts/h normal starting   | Rated operat. current |           |  | Starts/h normal starting | Rated operat. current |  |          | Rated operat. current  |   |  |
| Power [kW]        | Current [A] | [A]                    |  |   |            | [A]  |                       |           | [A]  |                          |                       | [A]  | [A]      |  |   |  |
| Size, width       |             | S00, 45 mm             |  |   | S00, 45 mm |  |                       | S0, 45 mm |  |                          |                       |  |          |  |   |  |
| 0.25              | 1           | 0.7–1                  | 3RV2011-0JA  | 0 |            |  |                       |           |  |                          |                       |  |          |  |   |  |
| 0.37              | 1.25        | 0.9–1.25               | 3RV2011-0KA  | 0 |            |  |                       |           |  |                          |                       |  |          |  |   |  |
| 0.55              | 1.6         | 1.1–1.6                | 3RV2011-1AA  | 0 | *2         | 150  | 3.6                   | 3RW3013-  | BB   | 4                        |                       |  |          |  |   |  |
| 0.75              | 2           | 1.4–2                  | 3RV2011-1BA  | 0 |            |  |                       |           |  |                          |                       |  |          |  |   |  |
| 1.1               | 3.2         | 2.2–3.2                | 3RV2011-1DA  | 0 |            |  |                       |           |  |                          |                       |  |          |  |   |  |
| 1.5               | 4           | 2.8–4                  | 3RV2011-1EA  | 0 |            |  |                       |           |  |                          |                       |  |          |  |   |  |
| 1.5               | 5           | 3.5–5                  | 3RV2011-1FA  | 0 |            | 64   | 6.5                   | 3RW3014-  | BB   | 4                        | 36                    | 12.5   | 3RW4024- | BB   | 4 |  |
| 2.2               | 6.3         | 4.5–6.3                | 3RV2011-1GA  | 0 |            |  |                       |           |  |                          |                       |  |          |  |   |  |
| 3                 | 8           | 5.5–8                  | 3RV2011-1HA  | 0 |            |  |                       |           |  |                          |                       |  |          |  |   |  |
| 4                 | 10          | 7–10                   | 3RV2011-1JA  | 0 |            | 35   | 9                     | 3RW3016-  | BB   | 4                        |                       |  |          |  |   |  |
| 5.5               | 12.5        | 9–12.5                 | 3RV2011-1KA  | 0 |            | 62   | 12.5                  | 3RW3017-  | BB   | 4                        |                       |  |          |  |   |  |
| 7.5               | 16          | 11–16                  | 3RV2011-4AA  | 0 |            | 45   | 17.6                  | 3RW3018-  | BB   | 4                        | 15                    | 25   | 3RW4026- | BB   | 4 |  |
| Size, width       |             | S0, 45 mm              |  |   | S0, 45 mm  |  |                       | S0, 45 mm |  |                          |                       |  |          |  |   |  |
| 7.5               | 16          | 11–16                  | 3RV2021-4AA  | 0 |            |  |                       |           |  |                          |                       |  |          |  |   |  |
| 7.5               | 20          | 14–20                  | 3RV2021-4BA  | 0 |            | 15   | 25                    | 3RW3026-  | BB   | 4                        |                       |  |          |  |   |  |
| 11                | 22          | 17–22                  | 3RV2021-4CA  | 0 | *2         |  |                       |           |  |                          |                       |  |          |  |   |  |
| 11                | 25          | 20–25                  | 3RV2021-4DA  | 0 |            |  |                       |           |  |                          |                       |  |          |  |   |  |
| 15                | 28          | 23–28                  | 3RV2021-4NA  | 0 |            | 16   | 32                    | 3RW3027-  | BB   | 4                        | 16                    | 32   | 3RW4027- | BB   | 4 |  |
| 15                | 32          | 27–32                  | 3RV2021-4EA  | 0 |            |  |                       |           |  |                          |                       |  |          |  |   |  |
| 18.5              | 36          | 30–36                  | 3RV2021-4PA  | 1 |            | 12   | 38                    | 3RW3028-  | BB   | 4                        | 12                    | 38   | 3RW4028- | BB   | 4 |  |
| 18.5              | 40          | 34–40                  | 3RV2021-4FA  | 1 |            |  |                       |           |  |                          |                       |  |          |  |   |  |
|                   |             |                        | Screw terminals: 1<br>Spring-type term. to 32 A: 2 |   |            | Screw terminals: 1<br>Spring-type terminals: 2<br>Control supply voltage 24 V AC/DC: 0<br>110–230 V AC/DC: 1 |                       |           | Screw terminals: 1<br>Spring-type terminals: 2<br>Control supply voltage 24 V AC/DC: 0<br>110–230 V AC/DC: 1 |                          |                       | Screw terminals: 1<br>Spring-type terminals: 2<br>Control supply voltage 24 V DC: 0<br>110–230 V AC, 50/60 Hz: 2 |          | Screw terminals: 1<br>Spring-type terminals: –<br>Control supply voltage 24 V DC: 0<br>110–230 V AC, 50/60 Hz: 2 |   |  |

|                   |             | Mot. starter prot.     |                 | 3RW30 soft starters<br>without overload protection |     | 3RW40 soft starters<br>with overload protection |                 |
|-------------------|-------------|------------------------|-----------------|--|-----|---|-----------------|
| Three-phase motor |             | Setting range CLASS 10 |                 | Rated operational current                          |     |   |                 |
| Power [kW]        | Current [A] | [A]                    |                 | [A]  |     |   |                 |
| Size, width       |             | S2, 55 mm              |                 |  |     |   |                 |
| 18.5              | 36          | 28–36                  | 3RV203 □ -4PA10 | *3   | 45  | 3RW3036-1BB □ 4                                 | 3RW4036-1BB □ 4 |
| 18.5              | 40          | 32–40                  | 3RV203 □ -4UA10 |  |     |   |                 |
| 22                | 45          | 35–45                  | 3RV203 □ -4VA10 |  |     |   |                 |
| 22                | 52          | 42–52                  | 3RV203 □ -4WA10 | *3   | 63  | 3RW3037-1BB □ 4                                 | 3RW4037-1BB □ 0 |
| 30                | 59          | 49–59                  | 3RV203 □ -4XA10 |  |     |   |                 |
| 30                | 65          | 54–65                  | 3RV203 □ -4JA10 |  |     |   |                 |
| 37                | 73          | 62–73                  | 3RV203 □ -4KA10 | *3   | 72  | 3RW3038-1BB □ 4                                 | 3RW4038-1BB □ 4 |
| 37                | 80          | 70–80                  | 3RV203 □ -4RA10 |  |     |   |                 |
| Size, width       |             | S3, 70 mm              |                 |  |     |   |                 |
| 22                | 50          | 36–50                  | 3RV204 □ -4HA10 | *4   | 80  | 3RW3046-1BB □ 4                                 | 3RW4046-1BB □ 4 |
| 30                | 63          | 45–63                  | 3RV204 □ -4JA10 |  |     |   |                 |
| 37                | 75          | 57–75                  | 3RV204 □ -4KA10 |  |     |   |                 |
| 45                | 84          | 65–84                  | 3RV204 □ -4RA10 | *4   | 106 | 3RW3047-1BB □ 4                                 | 3RW4047-1BB □ 4 |
| 45                | 93          | 75–93                  | 3RV204 □ -4YA10 |  |     |   |                 |
| 45/55             | 100         | 80–100                 | 3RV204 □ -4MA10 |  |     |   |                 |

Standard switching cap. 65 kA at 400 V: 1  
Increased switching cap. 100 kA at 400 V: 2

24 V AC/DC: 0  
110–230 V AC/DC: 1

24 V AC/DC: 0  
110–230 V AC/DC: 1

#### Necessary accessories: link modules from motor starter protector to soft starter / solid-state device

| Size               | Screw terminals  | Spring-type terminals only for S00, S0 with soft starters |
|--------------------|------------------|---|
| S00                | *2 3RA2921-1BA00 | 3RA2911-2GA00   |
| S0 up to max. 32 A | *2 3RA2921-1BA00 | 3RA2921-2GA00   |
| S2 up to max. 65 A | *3 3RA2931-1AA00 | –   |
| S3                 | *4 3RA1941-1AA00 | –   |

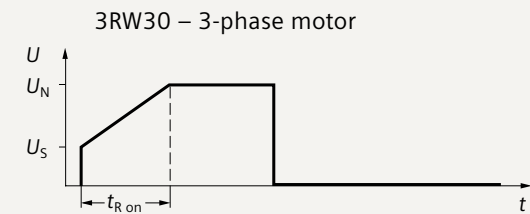
### Advantages of the soft starters:

- Reduced mechanical and electrical load
- Space and cost savings thanks to compact design
- Fast and easy commissioning
- Matched with the SIRIUS modular system

### 3RW30 soft starter

The compact 3RW30 soft starter can be used in almost every standard application up to 55 kW. Setting is made via two potentiometers and can thus be implemented conveniently and easily.

#### 3RW3 state diagram



### 3RW40 soft starter

The 3RW40 additionally has potentiometers for soft ramp-down, current limiting and motor overload protection. Integrated intrinsic device protection and motor protection functions offer additional advantages over the 3RW3.

#### 3RW4 state diagram

