

SIRIUS Innovations.

System Information



SIRIUS

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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.



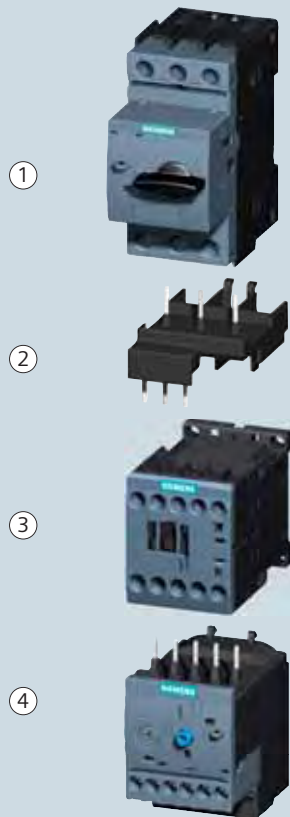
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Combination of switching and protective devices

| 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 | |

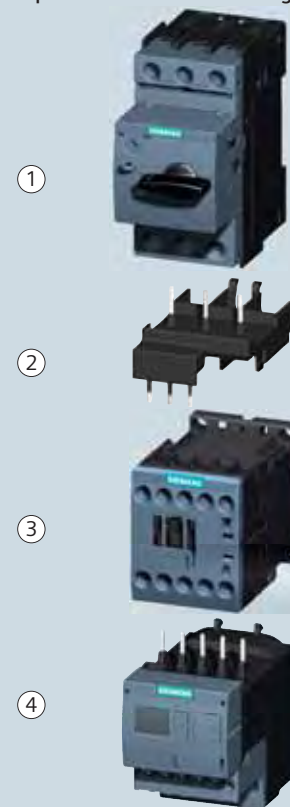
Starter combinations of motor starter protector and contactor with overload relay



| 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

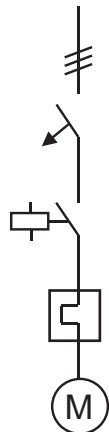


| Type | Screw connection | Spring-loaded connection |
|----------------------------|------------------|--------------------------|
| ① Motor starter protector | | |
| ② Link module | 3RA1921-1DA00 | 3RA2911-2AA00 |
| ③ Contactor (AC / DC) | | |
| ④ Current monitoring relay | | |

► 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

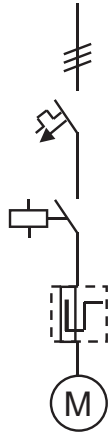
Screw connection: 1
Spring-loaded connection: 2
Ring lug terminal connection²⁾: 4

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

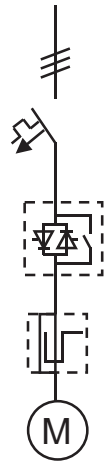


| Type | Screw connection | Spring-loaded connection |
|---|------------------|--------------------------|
| ① Motor starter protector | | |
| ② Link module | 3RA2921-1BA00 | — |
| ③ Soft starter | | |
| ④ Terminal bracket for stand-alone installation | 3RU29 16-3AA01 | 3RU29 16-3AC01 |
| ⑤ Current monitoring 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] | AC/DC 24 V | 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 | 1.6 – 16 | 3RR2141- <input type="checkbox"/> A <input type="checkbox"/> 30 | 3RR2241- <input type="checkbox"/> F <input type="checkbox"/> 30 |
| 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) 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. | Order no. |
| | Control supply voltage | |
| | DC 24 V | 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⁾ |

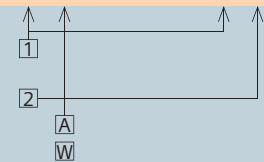
- 1) In connection with a solid-state switching device, a current monitoring relay of size 500 must be used with the terminal bracket for stand-alone mounting. Screw connection type: 3RU2916-3AA01 Spring-loaded connection type: 3RU2916-3AA01
- 2) Overall width 90 mm
- 3) Rated operating voltage U_e 48 ... 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⁾ | | |
|---|-----------------------------|-----------------------------|
| Rated operating current [A] | Order no. | Order no. |
| 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

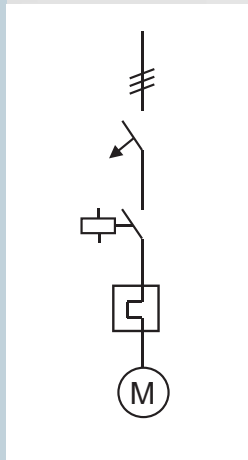


| Type | Screw connection | Spring-loaded connection |
|--------------------------------|--------------------------------------|--------------------------------|
| ① Motor starter protector | | |
| ② Link module ^{1) 2)} | AC 3RA2921-1AA00 DC 3RA2921-1BA00 | 3RA2921-2AA00 3RA2921-2AA00 |
| ③ Contactor | | |
| 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 | Order no. | Aux. con- tacts | Order no. | Order no. | | Setting range CLASS 10 [A] | Order no. Thermal | Setting range CLASS 10 [A] | |
| | | | | | | Control supply voltage | | | | Order no. Electronic | |
| | | | | | DC 24 V | 110 – 230 V AC/DC | UC (AC 50/60 Hz/DC) | | | | |
| 7.5 | 16 | – | 3RV2321-4AC□0 | 1NO+1NC | 3RT2025-□BB40 | 3RT2025-□AP20 | 3RT2025-□N□30 | 11 – 16 | 3RU2126-4A□0 | | |
| 7.5 | 20 | – | 3RV2321-4BC□0 | | | | | 14 – 20 | 3RU2126-4B□0 | 6 – 25 | 3RB3026-1Q□0 |
| 11 | 22 | – | 3RV2321-4CC□0 | 1NO+1NC | 3RT2026-□BB40 | 3RT2026-□AP20 | 3RT2026-□N□30 | 17 – 22 | 3RU2126-4C□0 | | |
| 11 | 25 | – | 3RV2321-4DC□0 | | | | | 20 – 25 | 3RU2126-4D□0 | | |
| 15 | 28 | – | 3RV2321-4NC□0 | 1NO+1NC | 3RT2027-□BB40 | 3RT2027-□AP20 | 3RT2027-□N□30 | 23 – 28 | 3RU2126-4N□0 | 10 – 40 | 3RB3026-1V□0 |
| 15 | 32 | – | 3RV2321-4EC□0 | | | | | 27 – 32 | 3RU2126-4E□0 | | |
| 18.5 | 36 | – | 3RV2321-4PC□0 | 1NO+1NC | 3RT2028-□BB40 | 3RT2028-□AP20 | 3RT2028-□N□30 | 30 – 36 | 3RU2126-4P□0 | | |
| 18.5 | 40 | – | 3RV2321-4FC□0 | | | | | 34 – 40 | 3RU2126-4F□0 | | |

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

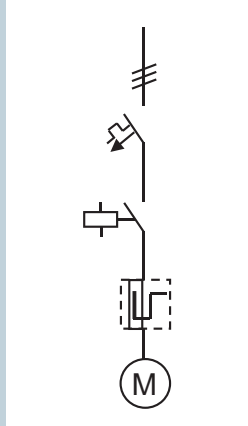
Screw connection:
Spring-loaded connection ³⁾: 2
Ring lug terminal
connection ⁴⁾: 4

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

Screw connection: B
Spring-loaded connection:
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] | Order no. | Aux. con- tacts | Order no. | Order no. | | Measure- ment range [A] | Order no. Basic (analog setting) | Order no. Standard (digital setting) |
| | | | | | | Control supply voltage | | | | |
| | | | | | DC 24 V | 120 V AC (60 Hz) | UC (AC 50/60 Hz/DC) | | | |
| 10 | 16 | 11 – 16 | 3RV2021-4AA□0 | 1NO+1NC | 3RT2025-□BB40 | 3RT2025-□AK60 | 3RT2025-□N□30 | | | |
| 10 | 20 | 14 – 20 | 3RV2021-4BA□0 | | | | | | | |
| 15 | 22 | 17 – 22 | 3RV2021-4CA□0 | 1NO+1NC | 3RT2026-□BB40 | 3RT2026-□AK60 | 3RT2026-□N□30 | | | |
| 15 | 25 | 20 – 25 | 3RV2021-4DA□0 | | | | | 4 – 40 | 3RR2142-□A□30 | 3RR2142-□F□30 |
| 20 | 28 | 23 – 28 | 3RV2021-4NA□0 | 1NO+1NC | 3RT2027-□BB40 | 3RT2027-□AK60 | 3RT2027-□N□30 | | | |
| 20 | 32 | 27 – 32 | 3RV2021-4EA□0 | | | | | | | |
| 25 | 36 | 30 – 36 | 3RV2021-4PA□0 | 1NO+1NC | 3RT2028-□BB40 | 3RT2028-□AK60 | 3RT2028-□N□30 | | | |
| 30 | 40 | 34 – 40 | 3RV2021-4FA□0 | | | | | | | |

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

Screw connection:
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:
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

For domestic applications

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



| | Three-phase motor 460 V/AC-3 | | Motor starter protector for motor protection | | Soft starter ¹⁾ | | | Current monitoring relay | | |
|--|---------------------------------|-----|--|---------------|----------------------------|------------------------|-------------------|--------------------------|----------------------------------|--------------------------------------|
| | [HP] | [A] | Setting range, 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 | AC/DC 110 – 230 V | | | |
| | 15 | 22 | 17 – 22 | 3RV2021-4CA□0 | 25 | 3RW3026-□BB04 | 3RW3026-□BB14 | | | |
| | 15 | 25 | 20 – 25 | 3RV2021-4DA□0 | | | | | | |
| | 20 | 28 | 23 – 28 | 3RV2021-4NA□0 | 32 | 3RW3027-□BB04 | 3RW3027-□BB14 | | | |
| | 20 | 32 | 27 – 32 | 3RV2021-4EA□0 | | | | | | |
| | 25 | 36 | 30 – 36 | 3RV2021-4PA□0 | 38 | 3RW3028-□BB04 | 3RW3028-□BB14 | 4 – 40 | 3RR2142-□A□30 | 3RR2242-□F□30 |
| | 30 | 40 | 34 – 40 | 3RV2021-4FA□0 | | | | | | |
| | 30 | 40 | 34 – 40 | 3RV2021-4FA□0 | 45 | 3RW3036-□BB04 | 3RW3036-□BB14 | | | |

For export applications

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



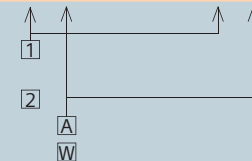
| | Three-phase motor 400 V/AC-3 | | Motor starter protector for starter protection | | Soft starter ¹⁾ | | | Current monitoring relay | | |
|--|---------------------------------|------|--|---------------|----------------------------|------------------------|-------------------|--------------------------|----------------------------------|--------------------------------------|
| | [kW] | [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 | AC/DC 110 – 230 V | | | |
| | 5.5 | 12.5 | – | 3RV2311-1KC□0 | 12.5 | 3RW4024-□BB04 | 3RW4024-□BB14 | | | |
| | 7.5 | 16 | – | 3RV2321-4AC□0 | | | | | | |
| | 7.5 | 20 | – | 3RV2321-4BC□0 | | | | | | |
| | 11 | 22 | – | 3RV2321-4CC□0 | 25 | 3RW4026-□BB04 | 3RW4026-□BB14 | | | |
| | 11 | 25 | – | 3RV2321-4DC□0 | | | | | | |
| | 15 | 28 | – | 3RV2321-4NC□0 | 32 | 3RW4027-□BB04 | 3RW4027-□BB14 | 4 – 40 | 3RR2142-□A□30 | 3RR2242-□F□30 |
| | 15 | 32 | – | 3RV2321-4EC□0 | | | | | | |
| | 18.5 | 36 | – | 3RV2321-4PC□0 | | | | | | |
| | 18.5 | 40 | – | 3RV2321-4FC□0 | 38 | 3RW4028-□BB02 | – | | | |

1) Note: In connection with a soft starter, a current monitoring relay must be used with the terminal bracket for stand-alone mounting.
Screw connection type: 3RU2926-3AA01
Spring-loaded connection type: 3RU2926-3AC01

Screw connection: 1
Spring-loaded connection: 2

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



Non-fused motor starters

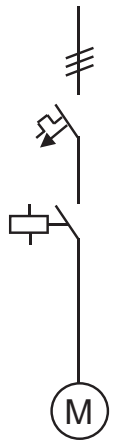
Direct-on-line starter,
fully preassembled,
electromechanical



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⁾

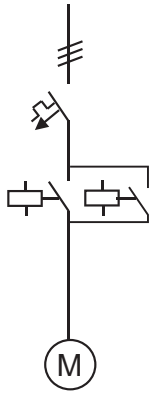
2²⁾

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 |

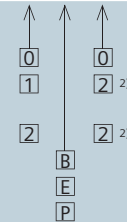
| Setting range of thermal overload release [A] | Coordination type 2 CPS ¹⁾ |
|---|--|
| 0.1 – 0.4 | 3RA6250-□A□3□ |
| 0.32 – 1.25 | 3RA6250-□B□3□ |
| 1 – 4 | 3RA6250-□C□3□ |
| 3 – 12 | 3RA6250-□D□3□ |
| 8 – 32 | 3RA6250-□E□3□ |

- 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**

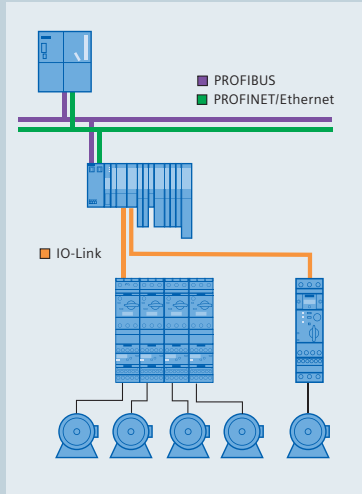
- Without terminals: **0**
- With screw connection: **1**
- With spring-loaded connection: **2**
- 24 V AC/DC: **B**
- 42 ... 70 V AC/DC: **E**
- 110 ... 240 V AC/DC: **P**



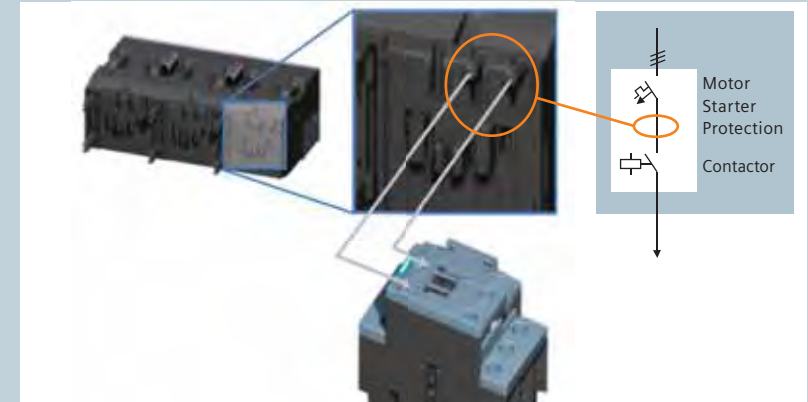
Communications – general information and contactors

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



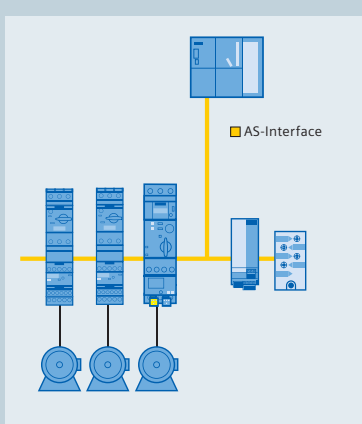
| IO-Link | |
|--|---------------------|
| Version | Order no. |
| ET200S electronic module, 4SI IO-Link (with 4 ports for 4 motor starters each) | 6ES7 138-4GA50-0AB0 |
| ET200S electronic module, 4SI SIRIUS (with 4 ports for 4 motor starters each) | 3RK1005-0LB00-0AA0 |
| ET200S terminal module (15mm 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 |



500 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)} |
| 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)} |
| 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

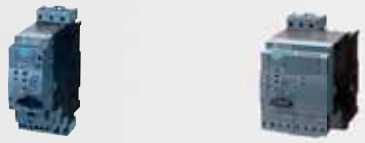
2) The contactor upon which the basic module is fitted must be selected as a communication contactor (see page 16)

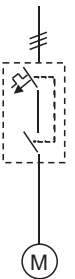
3) Consisting of 1 basic module and 1 interface module


4) Consisting of 1 basic module and 2 interface modules

Communications – Compact Starter

IO-Link




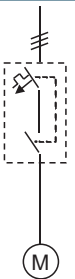
| | | | |
|---|--|---|--|
|  | Setting range of thermal overload release | 3RA64 direct-on-line starter ²⁾ | 3RA65 reversing starter ²⁾ |
| | | Coordination type 2 / CPS ¹⁾ | Coordination type 2 / CPS ¹⁾ |
| | [A] | 24 V DC | 24 V AC/DC |
| | 0.1 – 0.4 | 3RA6400- <input type="checkbox"/> AB42 | 3RA6500- <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 | |



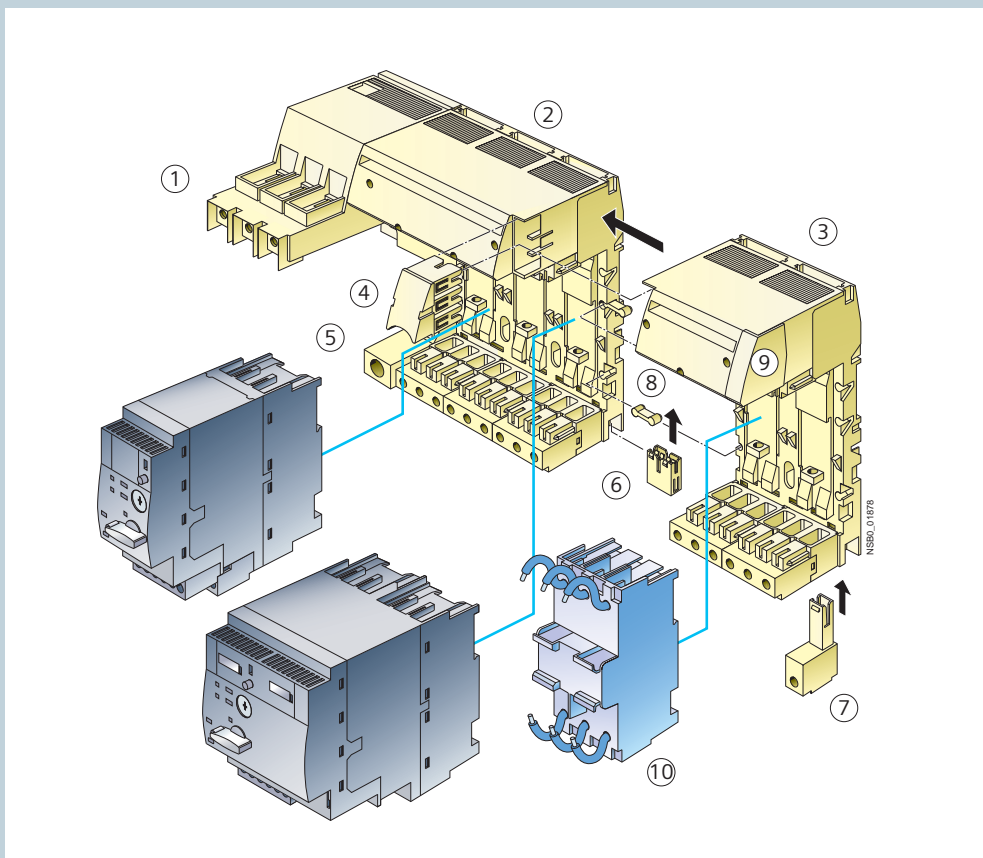
| | |
|---|---------------|
| Accessories for AS-Interface | |
| AS-i addressing unit | 3RK1904-2AB01 |
| AS-Interface add-on modules for 3RA6 Compact Starter (24 V DC) | |
| Without additional inputs/outputs | 3RA6970-3A |
| With two local inputs | 3RA6970-3B |
| With two free external inputs | 3RA6970-3C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



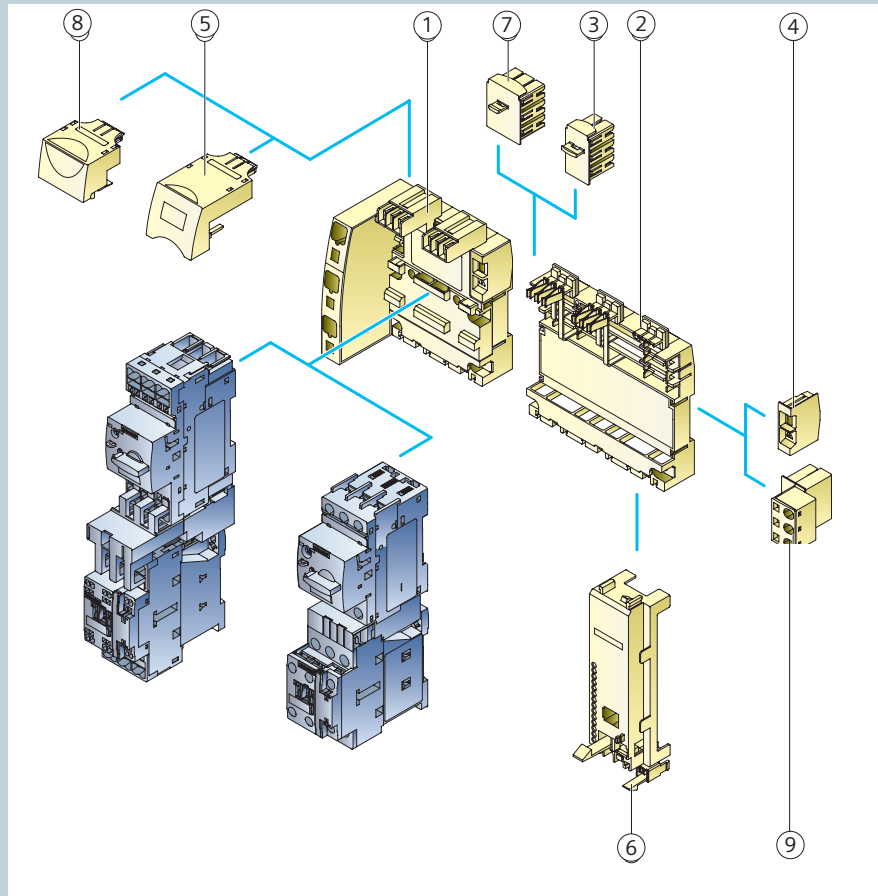
3RA68 Infeed system (Compact Starter)



Items 6 and 9 already included in the scope of delivery

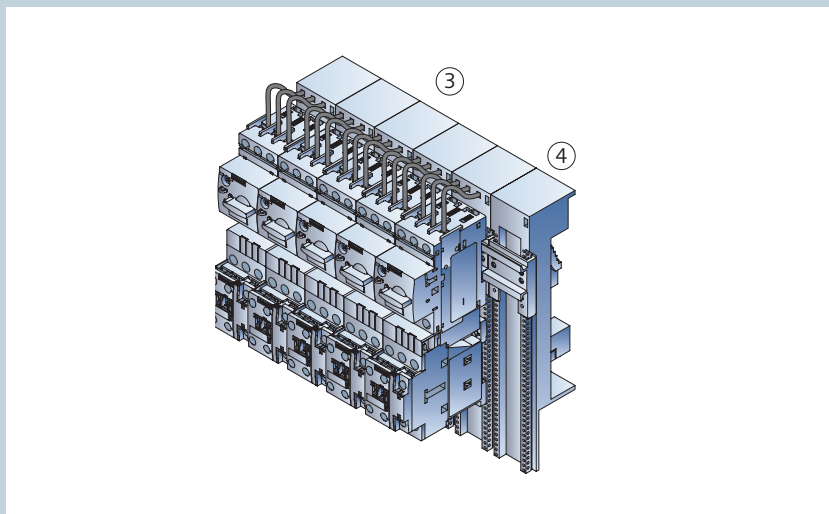
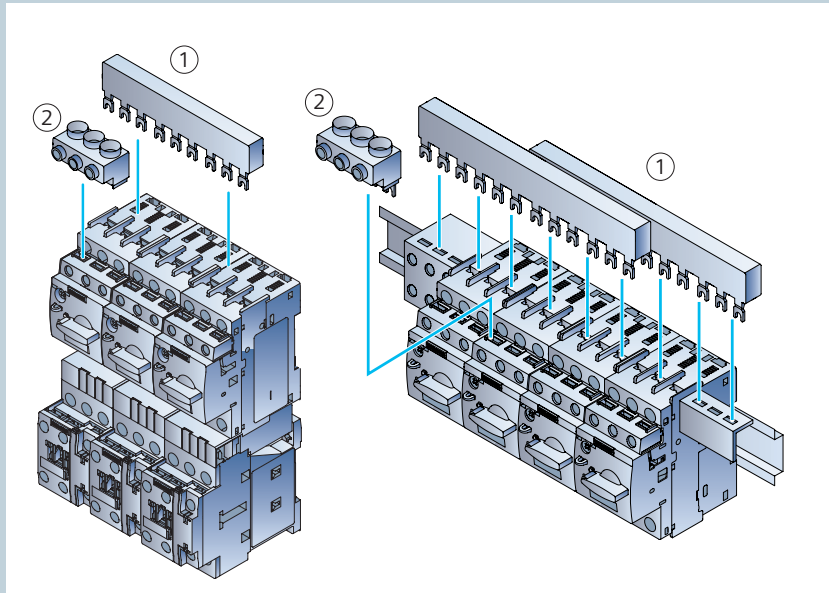
| | Type | Terminal type | Order no. |
|---|--|--------------------------|--------------------|
| ① | 3-phase infeeds | | |
| | Screw-type infeed 4-2 AWG left with permanently attached triple expansion module | Screw connection | 3RA6812-8AB |
| | Screw-type infeed 4-2 AWG left with permanently attached 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 | 3RV2917-5CA00 |
| | | 10 pcs. S00 | 3RV2917-5C |
| | Spring-loaded connection | 1 pc. S00 | 3RV2917-5AA00 |
| | | 10 pcs. S00 | 3RV2917-5A |
| | Screw connection | 1 pc. S0 | 3RV1927-5CA00 |
| | | 10 pcs. S0 | 3RV1927-5C |
| ⑤ | Spring-loaded connection | 1 pc. S0 | 3RV2927-5AA00 |
| | | 10 pcs. S0 | 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 |

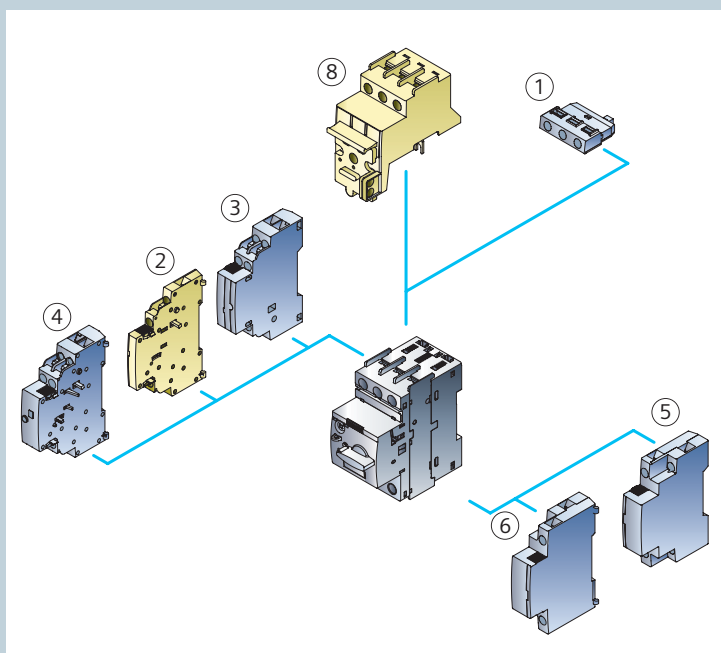
3-phase comb busbars / 8US busbar adapters for supply



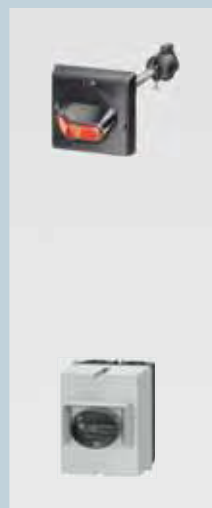
| Type | Size | Order no. | | |
|--|---------|-----------------------|-----------------------|-----------------------|
| 1 3-phase comb busbars | | | | |
| For supplying several 3RV2 motor starter protectors (screw-connected) mounted side by side on DIN rails, safe to touch | | Modular spacing 45 mm | 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)



| 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 |





1) More versions on request

2) Only available as screw-connected versions

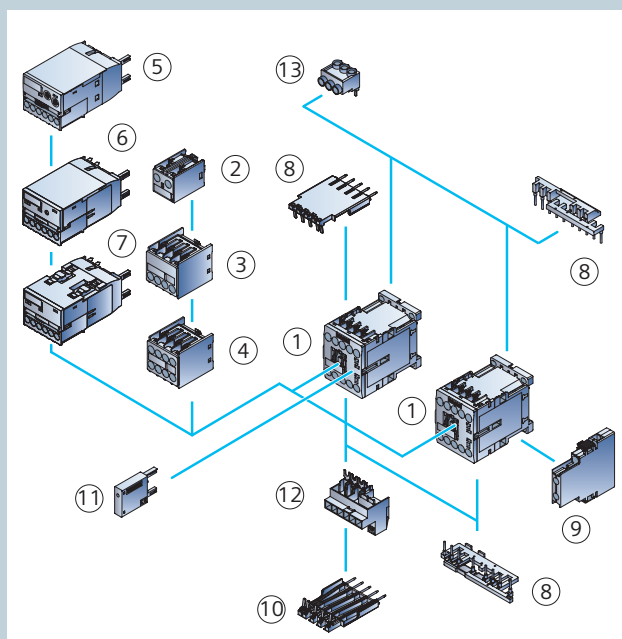
Accessories for 3RU21 thermal overload relay, 3RB30/31 electronic overload relay, 3RR21 analog current monitoring relay and 3RR22 digital current monitoring relay (S00,S0)



| 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)



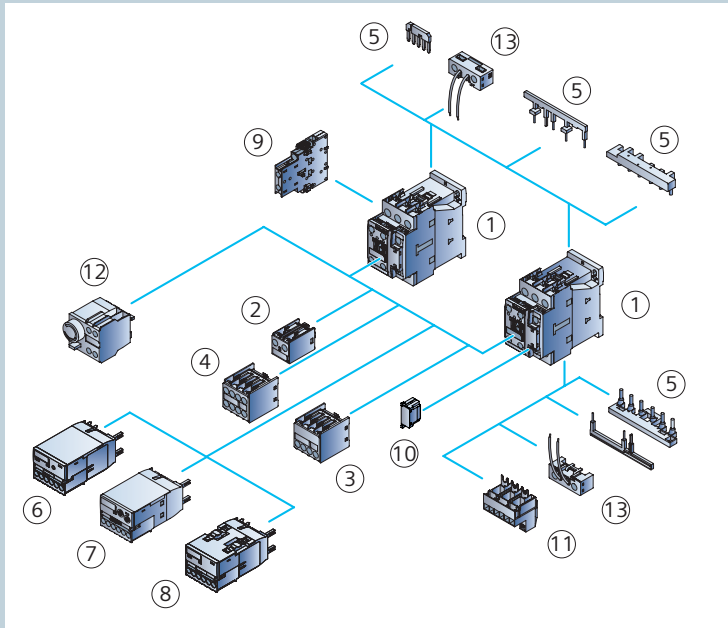
⑤ ⑥ ⑦ ⑧

| Front mounting auxiliary contacts for | Version | Order no. 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 | - | - | |
| | 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 | - | |
| ⑤ 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

Siemens Industry, Inc.
Industry Automation Division
3333 Old Milton Parkway
Alpharetta, GA 30005
1-800-241-4453

info.us@siemens.com

www.usa.siemens.com/sirius-innovations

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