SIEMENS

Data sheet 3RW5213-1TC14



SIRIUS soft starter 200-480 V 13 A, 110-250 V AC Screw terminals Thermistor input

| product brand name | SIRIUS | |
|---|---|--|
| product category | Hybrid switching devices | |
| product designation | Soft starter | |
| product type designation | 3RW52 | |
| manufacturer's article number | | |
| of standard HMI module usable | 3RW5980-0HS00 | |
| of high feature HMI module usable | 3RW5980-0HF00 | |
| of communication module PROFINET standard usable | 3RW5980-0CS00 | |
| of communication module PROFIBUS usable | 3RW5980-0CP00 | |
| of communication module Modbus TCP usable | 3RW5980-0CT00 | |
| of communication module Modbus RTU usable | 3RW5980-0CR00 | |
| of communication module Ethernet/IP | 3RW5980-0CE00 | |
| of circuit breaker usable at 400 V | 3RV2032-4TA10; Type of coordination 1, Iq = 65 kA, CLASS 10 | |
| of circuit breaker usable at 500 V | 3RV2032-4TA10; Type of coordination 1, Iq = 18 kA, CLASS 10 | |
| of circuit breaker usable at 400 V at inside-delta circuit | 3RV2032-4DA10; Type of coordination 1, Iq = 65 kA, CLASS 10 | |
| of circuit breaker usable at 500 V at inside-delta circuit | 3RV2032-4DA10; Type of coordination 1, Iq = 18 kA, CLASS 10 | |
| of the gG fuse usable up to 690 V | 3NA3820-6; Type of coordination 1, Iq = 65 kA | |
| of the gG fuse usable at inside-delta circuit up to 500 V | 3NA3820-6; Type of coordination 1, Iq = 65 kA | |
| of full range R fuse link for semiconductor protection usable up to 690 V | 3NE1815-0; Type of coordination 2, Iq = 65 kA | |
| of back-up R fuse link for semiconductor protection usable up to 690 V | 3NE8017-1; Type of coordination 2, Iq = 65 kA | |
| General technical data | | |
| starting voltage [%] | 30 100 % | |
| stopping voltage [%] | 50 50 % | |
| start-up ramp time of soft starter | 0 20 s | |
| current limiting value [%] adjustable | 130 700 % | |
| certificate of suitability | | |
| CE marking | Yes | |

trip class

UL approvalCSA approval

• HMI-Standard

• HMI-High Feature

number of controlled phases

product component is supported

product feature integrated bypass contact system

CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2

Yes

Yes

Yes

Yes

Yes

3

| hoffester Atres to the | |
|--|---|
| buffering time in the event of power failure | 400 |
| • for main current circuit | 100 ms |
| for control circuit | 100 ms |
| insulation voltage rated value | 600 V |
| degree of pollution | 3, acc. to IEC 60947-4-2 |
| impulse voltage rated value | 6 kV |
| blocking voltage of the thyristor maximum | 1 600 V |
| service factor | 1 |
| surge voltage resistance rated value | 6 kV |
| maximum permissible voltage for safe isolation | |
| between main and auxiliary circuit | 600 V |
| shock resistance | 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting |
| vibration resistance | 15 mm to 6 Hz; 2g to 500 Hz |
| utilization category acc. to IEC 60947-4-2 | AC 53a |
| reference code acc. to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 15.02.2018 00:00:00 |
| product function | |
| • ramp-up (soft starting) | Yes |
| • ramp-down (soft stop) | Yes |
| Soft Torque | Yes |
| adjustable current limitation | Yes |
| pump ramp down | Yes |
| intrinsic device protection | Yes |
| motor overload protection | Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) |
| evaluation of thermistor motor protection | Yes; Type A PTC or Klixon / Thermoclick |
| inside-delta circuit | Yes |
| auto-RESET | Yes |
| manual RESET | Yes |
| | |
| remote reset | Yes; By turning off the control supply voltage |
| communication function | Yes |
| operating measured value display | Yes; Only in conjunction with special accessories |
| • error logbook | Yes; Only in conjunction with special accessories |
| via software parameterizable | No |
| via software configurable | Yes |
| PROFlenergy | Yes; in connection with the PROFINET Standard communication module |
| • firmware update | Yes |
| removable terminal for control circuit | Yes |
| • torque control | No |
| analog output | No |
| Power Electronics | |
| operational current | |
| at 40 °C rated value | 13 A |
| at 50 °C rated value | 12 A |
| • at 60 °C rated value | 11 A |
| operational current at inside-delta circuit | |
| at 40 °C rated value | 22.5 A |
| at 50 °C rated value | 19.9 A |
| at 60 °C rated value | 18.2 A |
| operating voltage | |
| • rated value | 200 480 V |
| at inside-delta circuit rated value | 200 480 V |
| relative negative tolerance of the operating voltage | -15 % |
| relative positive tolerance of the operating voltage | 10 % |
| relative negative tolerance of the operating voltage at | -15 % |
| inside-delta circuit | 10 /0 |
| relative positive tolerance of the operating voltage at inside-delta circuit | 10 % |
| operating power for 3-phase motors | |
| • at 230 V at 40 °C rated value | 3 kW |
| | |

| a at 220 V at incide delta singuit at 40 °Ctt ! | E E IAM |
|---|--|
| at 230 V at inside-delta circuit at 40 °C rated value | 5.5 kW |
| at 400 V at 40 °C rated value | 5.5 kW |
| at 400 V at inside-delta circuit at 40 °C rated value | 11 kW |
| Operating frequency 1 rated value | 50 Hz |
| Operating frequency 2 rated value | 60 Hz |
| relative negative tolerance of the operating frequency | -10 % |
| relative positive tolerance of the operating frequency | 10 % |
| adjustable motor current | |
| at rotary coding switch on switch position 1 | 5.5 A |
| at rotary coding switch on switch position 2 | 6 A |
| at rotary coding switch on switch position 3 | 6.5 A |
| at rotary coding switch on switch position 4 | 7 A |
| at rotary coding switch on switch position 5 | 7.5 A |
| at rotary coding switch on switch position 6 | 8 A |
| at rotary coding switch on switch position 7 | 8.5 A |
| at rotary coding switch on switch position 8 | 9 A |
| at rotary coding switch on switch position 9 | 9.5 A |
| at rotary coding switch on switch position 10 | 10 A |
| at rotary coding switch on switch position 11 | 10.5 A |
| at rotary coding switch on switch position 12 | 11 A |
| at rotary coding switch on switch position 13 | 11.5 A |
| at rotary coding switch on switch position 14 | 12 A |
| at rotary coding switch on switch position 15 | 12.5 A |
| at rotary coding switch on switch position 16 | 13 A |
| minimum | 5.5 A |
| adjustable motor current | |
| for inside-delta circuit at rotary coding switch on switch position 1 | 9.5 A |
| for inside-delta circuit at rotary coding switch on switch position 2 | 10.4 A |
| for inside-delta circuit at rotary coding switch on switch position 3 | 11.3 A |
| for inside-delta circuit at rotary coding switch on switch position 4 | 12.1 A |
| for inside-delta circuit at rotary coding switch on switch position 5 | 13 A |
| for inside-delta circuit at rotary coding switch on switch position 6 | 13.9 A |
| for inside-delta circuit at rotary coding switch on switch position 7 | 14.7 A |
| for inside-delta circuit at rotary coding switch on switch position 8 | 15.6 A |
| for inside-delta circuit at rotary coding switch on switch position 9 | 16.5 A |
| for inside-delta circuit at rotary coding switch on switch position 10 | 17.3 A |
| for inside-delta circuit at rotary coding switch on switch position 11 | 18.2 A |
| for inside-delta circuit at rotary coding switch on switch position 12 for inside delta significant paters and in a switch on | 19.1 A |
| for inside-delta circuit at rotary coding switch on switch position 13 | 19.9 A |
| for inside-delta circuit at rotary coding switch on switch position 14 | 20.8 A |
| for inside-delta circuit at rotary coding switch on switch position 15 for inside delta circuit at rotary coding switch on | 21.7 A |
| for inside-delta circuit at rotary coding switch on switch position 16 at inside delta circuit reinimum | 22.5 A |
| at inside-delta circuit minimum | 9.5 A |
| minimum load [%] | 15 %; Relative to smallest settable le |
| power loss [W] for rated value of the current at AC | 16 W |
| • at 40 °C after startup | 16 W |
| • at 50 °C after startup | 15 W |
| at 60 °C after startup | 15 W |

| power loss [W] at AC at current limitation 350 % | |
|---|---|
| at 40 °C during startup | 210 W |
| at 50 °C during startup | 178 W |
| at 60 °C during startup | 161 W |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC |
| control supply voltage at AC | |
| ● at 50 Hz | 110 250 V |
| ● at 60 Hz | 110 250 V |
| relative negative tolerance of the control supply voltage at AC at 50 Hz | -15 % |
| relative positive tolerance of the control supply voltage at AC at 50 Hz | 10 % |
| relative negative tolerance of the control supply voltage at AC at 60 Hz | -15 % |
| relative positive tolerance of the control supply voltage at AC at 60 Hz | 10 % |
| control supply voltage frequency | 50 60 Hz |
| relative negative tolerance of the control supply voltage frequency | -10 % |
| relative positive tolerance of the control supply voltage frequency | 10 % |
| control supply current in standby mode rated value | 30 mA |
| holding current in bypass operation rated value | 75 mA |
| locked-rotor current at close of bypass contact | 0.17 A |
| inrush current peak at application of control supply voltage maximum | 12.2 A |
| duration of inrush current peak at application of control supply voltage | 2.2 ms |
| design of the overvoltage protection | Varistor |
| design of short-circuit protection for control circuit | 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature |
| | circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply |
| Inputs/ Outputs | |
| | |
| number of digital inputs | not part of scope of supply |
| number of digital inputs number of inputs for thermistor connection | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick |
| number of digital inputs number of inputs for thermistor connection number of digital outputs | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs | 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value | 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width | 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm |
| number of digital inputs number of inputs for thermistor connection number of digital outputs | 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting | 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards | 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards | 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm |
| number of digital inputs number of inputs for thermistor connection number of digital outputs | 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm |
| number of digital inputs number of inputs for thermistor connection number of digital outputs | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm |
| number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection | not part of scope of supply 1 1; Type A PTC or Klixon / Thermoclick 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg |

| with conductor cross-section - 0.5 mm² maximum 150 m 1 | | |
|---|---|--|
| with conductor cross-sections vibracity of connectable conductor cross-sections vibracity standed with core end processing vibracity standed with cor | wire length for thermistor connection | |
| **with conductor cross-section = 2.5 mm* maximum type of connectable conductor cross-sections - formal contacts - solid - finely stranded with core end processing - \$1 AVVG cables for main current crout solid type of connectable conductor cross-sections - for control circuit solid - solid staffer and motor maximum - at the digital inputs at AC maximum - at the digit | | |
| Type of connectable conductor cross-sections | | |
| • for main contacts - solid - finely stranded with core end processing • at AWG cables for main current circuit solid type of commerciative conductor cross-sections • for control circuit solid • for south circuit solid • for south circuit solid • between soft starter and motor maximum • at the digital inputs at AC maximum • to the digital inputs at AC maximum • for main contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for main contacts with screw-type terminals • for suicilizing and control contacts with screw-type terminals • for main contacts with screw-type terminals • | | 250 m |
| - solid - finely stranded with core end processing • at AWM cables for main current circuit solid 1ype of connectable conductor cross-sections • for corritor circuit finely stranded with core end processing • at AWG cables for control circuit solid 1x (0.5 4.5 mm²), 2x (2.5 6.0 mm²) 2x (1.0 2.5 mm²), 2x (2.5 1.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4.5 mm²), 2x (0.5 1.5 mm²) 1x (0.5 4.5 mm²), 2x (0.5 | | |
| Finely stranded with core end processing • at ANG cables for main current circuit solid type of connectable conductor cross-sections • for control circuit solid • at ANG cables for control circuit solid vire length • at ANG cables for control circuit solid vire length • between soft starler and motor maximum • at the digital inputs at AC maximum • at the digital inputs at AC maximum • for auxiliary and control contacts with screw-type terminals • for certification module is | | |
| • at AWG cables for main current circuit solid type of connectable conductor cross-sections • for control circuit solid • tor control circuit finely stranded with core end processing • tor control circuit finely stranded with core end processing • at AWG cables for control circuit solid • with relength • between soft starter and motor maximum • at the digital inputs at AC maximum • the motification control swith screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and contro | | |
| Type of connectable conductor cross-sections | | |
| • for control circuit solid • for control circuit solid • for control circuit finely stranded with core end processing • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid • wire length • between soft starter and motor maximum • at the digital inputs at AC maximum • at the digital inputs at AC maximum • or main contacts with screw-type terminals • for auxillary and control contacts with screw-type • for main contacts with screw-type terminals • for auxillary and control contacts with screw-type • for main contacts with screw-type terminals • for auxillary and control contacts with screw-type • for main contacts with screw-type terminals • for auxillary and control contacts with screw-type • for main contacts with screw-type • for main contacts with screw-type • for main contacts with screw-type • for auxillary and control contacts with screw-type • for main contacts with screw-type • for "Crew type terminals • for auxillary and control contacts with screw-type • for "C | | 2x (16 12), 2x (14 8) |
| • for control circuit finely stranded with core end processing • al AWG cables for control circuit solid wire length • between soft starter and motor maximum • at the digital inputs at AC maximum • for main contacts with screw-type terminals • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for fauxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for fauxiliary and control contacts with screw-type terminals • for fauxiliary and control contacts with screw-type terminals • for fauxiliary and control contacts with screw-type terminals • for fauxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for fauxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for fauxiliary and control contacts with screw-type terminals • for fauxiliary and control contacts with screw-type terminals • for fauxiliary and control contacts with screw-type terminals • for fauxiliary and control contacts with screw-type terminals • for fauxiliary and control contacts with screw-type termin | | |
| processing | for control circuit solid | 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) |
| at AWG cables for control circuit solid wire length between soft starter and motor maximum at the digital inputs at AC maximum 100 m tightening torque for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals tightening torque [lbf-in] for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals for auxiliary and control contacts with sc | · · · · · · · · · · · · · · · · · · · | 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) |
| wire length • between soft starter and motor maximum • at the digital inputs at AC maximum 100 m | | 4,, (20 42) 2,, (20 44) |
| between soft starter and motor maximum ith the digital implast at AC maximum for main contacts with screw-type terminals for auxiliary and control scored or auxiliary and control scored | | 1X (20 12), 2X (20 14) |
| • at the digital inputs at AC maximum tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals tightening torque (lbf-in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during poperation • during storage and transport • during storage and transport • during storage and control contacts • during storage and transport • during storage and | | 000 |
| tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • during operation • during storage acc. to IEC 60721 • du | | |
| • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals 18 22 lbf-in 7 10.3 lbf-in 18 22 lbf-in | | 100 m |
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| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during storage and transport • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus RTU • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Fligh Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 4575/600 V a cost the fase — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for Standard Faults at 575/600 V a tinside-delta circuit according to UL — usable for | | |
| amblent temperature • during operation • during storage and transport • during operation acc. to IEC 60721 • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference communication/Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 4575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 50 A; lq = 5 kA | | 5 000 m; Derating as of 1000 m, see catalog |
| • during operation • during storage and transport • during storage and transport • during storage and transport • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 • EMC emitted interference Communication Protocol Communication Protocol • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS * Yes • DIJCSA ratings manufacturer's article number • of circuit breaker • usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 450/600 V at inside-delta circuit according to UL • usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults at 575/600 V • Of the fuse — Usable for Standard Faults at 575/600 V • Of the fuse — Usable for Standard Faults at 575/600 V • Of the fuse — Usable for Standard Faults at 575/600 V • Of the fuse — Usable for Standard Faults at 575/600 V • Of the fuse <l< td=""><td></td><td>5 555 M, Boldling as of 1500 M, 500 catalog</td></l<> | | 5 555 M, Boldling as of 1500 M, 500 catalog |
| • during storage and transport -40 +80 °C environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 - during transport acc. to IEC 60721 EMC emitted interference communication Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus RTU • PROFIBUS • Yes • Modbus TCP • PROFIBUS • Yes • Circuit breaker — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • Of the fuse — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • Of the fuse — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • Of the fuse — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • Of the fuse — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • Of the fuse — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • Of the fuse — Usable for Standard Faults at | • | -25 +60 °C. Please observe denating at temperatures of 40 °C or |
| environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference communication Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus RTU • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 50 A; Iq = 5 KA | • during operation | |
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| communication module is supported PROFINET standard PROFINET standard Profined RTU Modbus RTU Profined RTU Profined RTU PROFIBUS PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL Profine Type: Class RK5 / K5, max. 50 A; Iq = 5 kA | EMC emitted interference | acc. to IEC 60947-4-2: Class A |
| PROFINET standard EtherNet/IP Modbus RTU Modbus RTU Modbus TCP PROFIBUS PROFIBUS Tyes PROFIBUS Tyes Yes Yes Yes Yes Yes Yes Yes | Communication/ Protocol | |
| EtherNet/IP Modbus RTU Yes Modbus RTU Yes Modbus TCP Yes PROFIBUS Wes UL/CSA ratings manufacturer's article number of circuit breaker | communication module is supported | |
| Modbus RTU Modbus TCP PROFIBUS Ves Ves Ves UL/CSA ratings manufacturer's article number of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL Type: Class RK5 / K5, max. 50 A; Iq = 5 kA | PROFINET standard | Yes |
| Modbus TCP PROFIBUS PROFIBUS PROFIBUS Tyes UL/CSA ratings manufacturer's article number of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V at inside-de | EtherNet/IP | Yes |
| PROFIBUS Was a provided by the standard Faults at 460/480 V at inside-delta circuit according to UL Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Type: Class RK5 / K5, max. 50 A; Iq = 5 kA | Modbus RTU | Yes |
| manufacturer's article number of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL Type: Class RK5 / K5, max. 50 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Type: Class RK5 / K5, max. 50 A; Iq = 5 kA | Modbus TCP | Yes |
| manufacturer's article number of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL of the fuse — usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 50 A; Iq = 5 kA | • PROFIBUS | Yes |
| manufacturer's article number of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL of the fuse — usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 50 A; Iq = 5 kA | UL/CSA ratings | |
| • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 50 A; Iq = 5 kA | · · · · | |
| — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA | | |
| — usable for High Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 30 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Type: Class RK5 / K5, max. 50 A; Iq = 5 kA | — usable for Standard Faults at 460/480 V | Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA |
| inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA | usable for High Faults at 460/480 V according | |
| — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults up to 575/600 V Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Type: Class RK5 / K5, max. 50 A; Iq = 5 kA | — usable for Standard Faults at 460/480 V at | |
| — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL • of the fuse — usable for Standard Faults up to 575/600 V Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Type: Class RK5 / K5, max. 50 A; Iq = 5 kA | — usable for High Faults at 460/480 V at inside- | |
| usable for Standard Faults at 575/600 V at inside-delta circuit according to UL of the fuse usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA | — usable for Standard Faults at 575/600 V | |
| — usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 50 A; Iq = 5 kA | — usable for Standard Faults at 575/600 V at | Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA |
| | of the fuse | |
| | | Type: Class RK5 / K5, max. 50 A; lq = 5 kA |

- usable for High Faults up to 575/600 V Type: Class J / L, max. 50 A; Iq = 100 kA according to UL - usable for Standard Faults at inside-delta Type: Class RK5 / K5, max. 50 A; Iq = 5 kA circuit up to 575/600 V according to UL - usable for High Faults at inside-delta circuit up Type: Class J / L, max. 50 A; Iq = 100 kA to 575/600 V according to UL operating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value 2 hp • at 220/230 V at 50 °C rated value 3 hp • at 460/480 V at 50 °C rated value 7.5 hp • at 200/208 V at inside-delta circuit at 50 °C rated 5 hp value • at 220/230 V at inside-delta circuit at 50 °C rated 5 hp value • at 460/480 V at inside-delta circuit at 50 °C rated 10 hp value contact rating of auxiliary contacts according to UL R300-B300 Safety related data protection class IP on the front acc. to IEC 60529 IP20 touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front electromagnetic compatibility in accordance with IEC 60947-4-2

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity













Test Certificates

Marine / Shipping

Type Test Certificates/Test Report











other

Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5213-1TC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5213-1TC14

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RW5213-1TC14

 $Image\ database\ (product\ images, 2D\ dimension\ drawings, 3D\ models, device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5213-1TC14\&lang=en}$

Characteristic: Tripping characteristics, I²t, Let-through current

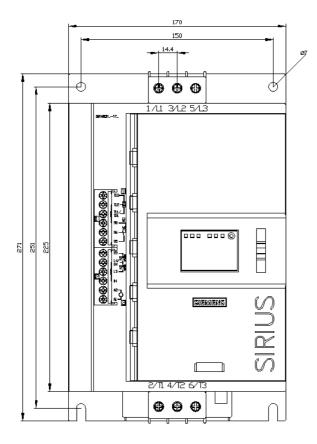
https://support.industry.siemens.com/cs/ww/en/ps/3RW5213-1TC14/char

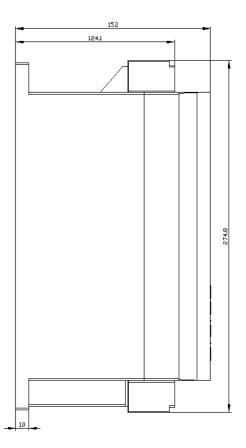
Characteristic: Installation altitude

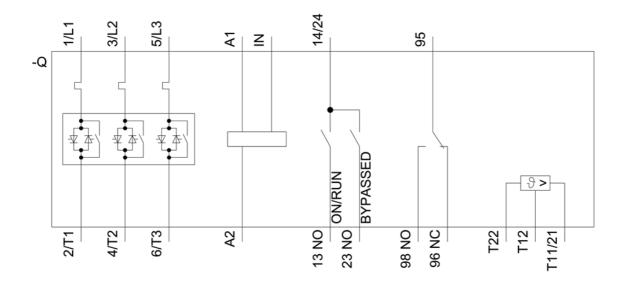
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5213-1TC14\&objecttype=14\&gridview=view1}$

Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917







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