SIEMENS

3RW5234-6TC15 **Data sheet**



SIRIUS soft starter 200-600 V 113 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 | 3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| of circuit breaker usable at 400 V at inside-delta circuit | 3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| of the gG fuse usable up to 690 V | 3NA3244-6; Type of coordination 1, Iq = 65 kA |
| of the gG fuse usable at inside-delta circuit up to 500 V | 3NA3244-6; Type of coordination 1, Iq = 65 kA |
| of full range R fuse link for semiconductor protection usable up to 690 V | 3NE1225-0; Type of coordination 2, Iq = 65 kA |
| of back-up R fuse link for semiconductor protection usable up to 690 V | 3NE3332-0B; 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 |
| UL approval | Yes |
| CSA approval | Yes |
| product component is supported | |
| HMI-Standard | Yes |
| HMI-High Feature | Yes |
| product feature integrated bypass contact system | Yes |
| number of controlled phases | 3 |
| trip class | CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2 |
| buffering time in the event of power failure | |
| | |

| a for main ourrent airquit | 100 ms |
|---|---|
| for main current circuit for control circuit | |
| • 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 | 1 800 V |
| service factor | 1 |
| surge voltage resistance rated value | 6 kV |
| maximum permissible voltage for safe isolation | 000 \ |
| 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 | 113 A |
| at 50 °C rated value | 101 A |
| at 60 °C rated value | 89 A |
| operational current at inside-delta circuit | |
| at 40 °C rated value | 196 A |
| at 50 °C rated value | 175 A |
| at 60 °C rated value | 154 A |
| operating voltage | |
| • rated value | 200 600 V |
| at inside-delta circuit rated value | 200 600 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 % |
| relative positive tolerance of the operating voltage at | 10 % |
| inside-delta circuit operating power for 3-phase motors | |
| i ii Opi i ii opiiii ii iii | |

| -t 000 M -t 40 °Otll | 00 144 |
|--|----------------|
| • at 230 V at 40 °C rated value | 30 kW |
| at 230 V at inside-delta circuit at 40 °C rated value | 55 kW |
| at 400 V at 40 °C rated value | 55 kW |
| at 400 V at inside-delta circuit at 40 °C rated value | 110 kW |
| at 500 V at 40 °C rated value | 75 kW |
| at 500 V at inside-delta circuit at 40 °C rated value | 132 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 | 53 A |
| at rotary coding switch on switch position 2 | 57 A |
| at rotary coding switch on switch position 3 | 61 A |
| at rotary coding switch on switch position 4 | 65 A |
| at rotary coding switch on switch position 5 | 69 A |
| at rotary coding switch on switch position 6 | 73 A |
| at rotary coding switch on switch position 7 | 77 A |
| at rotary coding switch on switch position 8 | 81 A |
| at rotary coding switch on switch position 9 | 85 A |
| at rotary coding switch on switch position 10 | 89 A |
| at rotary coding switch on switch position 11 | 93 A |
| at rotary coding switch on switch position 12 | 97 A |
| at rotary coding switch on switch position 13 | 101 A |
| at rotary coding switch on switch position 14 | 105 A |
| at rotary coding switch on switch position 15 | 109 A |
| at rotary coding switch on switch position 16 | 113 A |
| • minimum | 53 A |
| adjustable motor currentfor inside-delta circuit at rotary coding switch on | 91.8 A |
| switch position 1 | 91.0 A |
| for inside-delta circuit at rotary coding switch on switch position 2 | 98.7 A |
| for inside-delta circuit at rotary coding switch on switch position 3 | 106 A |
| for inside-delta circuit at rotary coding switch on switch position 4 | 113 A |
| for inside-delta circuit at rotary coding switch on switch position 5 | 120 A |
| for inside-delta circuit at rotary coding switch on switch position 6 | 126 A |
| for inside-delta circuit at rotary coding switch on switch position 7 | 133 A |
| for inside-delta circuit at rotary coding switch on switch position 8 | 140 A |
| for inside-delta circuit at rotary coding switch on switch position 9 | 147 A |
| for inside-delta circuit at rotary coding switch on switch position 10 for inside delta circuit at rotary coding switch on | 154 A 161 A |
| for inside-delta circuit at rotary coding switch on switch position 11 for inside delta circuit at rotary coding switch on | |
| for inside-delta circuit at rotary coding switch on switch position 12 | 168 A |
| for inside-delta circuit at rotary coding switch on switch position 13 for inside delta circuit at retary coding switch on | 175 A |
| for inside-delta circuit at rotary coding switch on switch position 14 for inside delta circuit at rotary coding switch as | 182 A |
| for inside-delta circuit at rotary coding switch on switch position 15 | 189 A |
| for inside-delta circuit at rotary coding switch on switch position 16 | 196 A |
| at inside-delta circuit minimum | 91.8 A |

| minimum load [%] | 15 %; Relative to smallest settable le |
|--|--|
| power loss [W] for rated value of the current at AC | |
| at 40 °C after startup | 46 W |
| at 50 °C after startup | 42 W |
| at 60 °C after startup | 39 W |
| power loss [W] at AC at current limitation 350 % | |
| at 40 °C during startup | 1 512 W |
| at 50 °C during startup | 1 291 W |
| at 60 °C during startup | 1 086 W |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC |
| control supply voltage at AC | No |
| • at 50 Hz | 110 250 V |
| • at 60 Hz | 110 250 V |
| relative negative tolerance of the control supply | -15 % |
| voltage at AC at 50 Hz | |
| 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 | 2.5 A |
| maximum | 12.2 A |
| inrush current peak at application of control supply voltage maximum | |
| 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 | 1 |
| number of inputs for thermistor connection | 1; Type A PTC or Klixon / Thermoclick |
| number of digital outputs | 3 |
| not parameterizable | 2 |
| digital output version | 2 normally-open contacts (NO) / 1 changeover contact (CO) |
| number of analog outputs | 0 |
| switching capacity current of the relay outputs | |
| at AC-15 at 250 V rated value | 3 A |
| • at DC-13 at 24 V rated value | 1A |
| Installation/ mounting/ dimensions | 17 |
| - | with vertical mounting ourses 1/00° retatable with water larger " |
| mounting position | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back |
| fastening method | screw fixing |
| height | 306 mm |
| width | 185 mm |
| depth | 203 mm |
| required spacing with side-by-side mounting | |
| • forwards | 10 mm |
| backwards | 0 mm |
| • upwards | 100 mm |
| • downwards | 75 mm |
| forwardsbackwardsupwards | 0 mm 100 mm |

| at the side | 5 mm |
|---|--|
| weight without packaging | 6.6 kg |
| Connections/ Terminals | |
| type of electrical connection | |
| for main current circuit | busbar connection |
| for control circuit | screw-type terminals |
| width of connection bar maximum | 25 mm |
| wire length for thermistor connection | |
| with conductor cross-section = 0.5 mm² maximum | 50 m |
| with conductor cross-section = 1.5 mm² maximum | 150 m |
| with conductor cross-section = 2.5 mm² maximum | 250 m |
| type of connectable conductor cross-sections | |
| for DIN cable lug for main contacts stranded | 2x (16 95 mm²) |
| for DIN cable lug for main contacts finely stranded | 2x (25 120 mm²) |
| type of connectable conductor cross-sections | |
| for control circuit solid | 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) |
| for control circuit finely stranded with core end | 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) |
| processing | 1X (0.0 2.0 mm), 2X (0.0 1.0 mm) |
| at AWG cables for control circuit solid | 1x (20 12), 2x (20 14) |
| wire length | |
| between soft starter and motor maximum | 800 m |
| at the digital inputs at AC maximum | 100 m |
| tightening torque | |
| for main contacts with screw-type terminals | 10 14 N·m |
| for auxiliary and control contacts with screw-type | 0.8 1.2 N·m |
| terminals | |
| tightening torque [lbf·in] | |
| for main contacts with screw-type terminals | 89 124 lbf·in |
| for auxiliary and control contacts with screw-type terminals | 7 10.3 lbf·in |
| | |
| Ambient conditions | |
| Ambient conditions installation altitude at height above sea level maximum | 5 000 m; Derating as of 1000 m, see catalog |
| | 5 000 m; Derating as of 1000 m, see catalog |
| installation altitude at height above sea level maximum | 5 000 m; Derating as of 1000 m, see catalog -25 +60 °C; Please observe derating at temperatures of 40 °C or above |
| installation altitude at height above sea level maximum ambient temperature | -25 +60 °C; Please observe derating at temperatures of 40 °C or |
| installation altitude at height above sea level maximum ambient temperature • during operation | -25 +60 °C; Please observe derating at temperatures of 40 °C or above |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport | -25 +60 °C; Please observe derating at temperatures of 40 °C or above |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt |
| installation altitude at height above sea level maximum ambient temperature | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must |
| installation altitude at height above sea level maximum ambient temperature | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication/ Protocol | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation 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 | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation 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 | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation 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 | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation 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 | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation 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 | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation 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 | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes |
| installation altitude at height above sea level maximum ambient temperature | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation 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 | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation 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 | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation 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 according to UL — usable for High Faults at 460/480 V according | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes |

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 according to UL $\,$

— usable for High Faults up to 575/600 V according to UL $\,$

— usable for Standard Faults at inside-delta circuit up to $575/600~\mathrm{V}$ according to UL

— usable for High Faults at inside-delta circuit up to 575/600 V according to UL

Siemens type: 3VA52, max. 250 A; Iq = 10 kA

Siemens type: 3VA52, max. 250 A; Iq = 10 kA

Type: Class RK5 / K5, max. 350 A; Iq = 10 kA

Type: Class J / L, max. 350 A; Iq = 100 kA

Type: Class RK5 / K5, max. 350 A; Iq = 10 kA

Type: Class J / L, max. 350 A; Iq = 100 kA

operating power [hp] for 3-phase motors

• at 200/208 V at 50 °C rated value

• at 220/230 V at 50 °C rated value

• at 460/480 V at 50 °C rated value

• at 575/600 V at 50 °C rated value

 at 200/208 V at inside-delta circuit at 50 °C rated value

• at 220/230 V at inside-delta circuit at 50 °C rated

• at 460/480 V at inside-delta circuit at 50 °C rated

• at 575/600 V at inside-delta circuit at 50 °C rated value

de-delta circuit at 50 °C rated 150 hp

contact rating of auxiliary contacts according to UL

R300-B300

30 hp

30 hp

75 hp

100 hp

50 hp

60 hp

125 hp

Safety related data

touch protection on the front acc. to IEC 60529
touch protection on the front acc. to IEC 60529
electromagnetic compatibility

IP00; IP20 with cover

finger-safe, for vertical contact from the front with cover

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=3RW5234-6TC15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5234-6TC15

 ${\bf Service \& Support\ (Manuals,\ Certificates,\ Characteristics,\ FAQs,...)}$

https://support.industry.siemens.com/cs/ww/en/ps/3RW5234-6TC15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RW5234-6TC15&lang=en

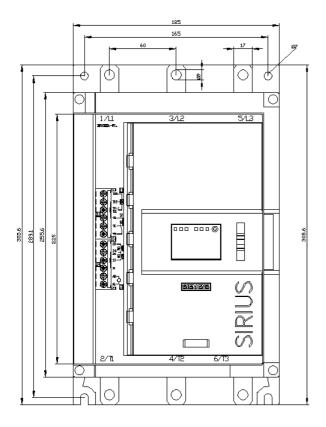
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5234-6TC15/char

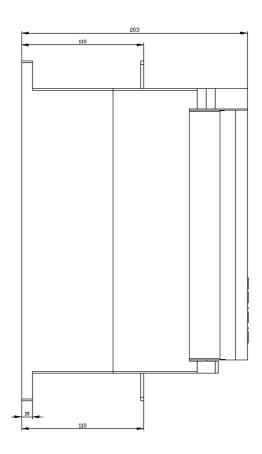
Characteristic: Installation altitude

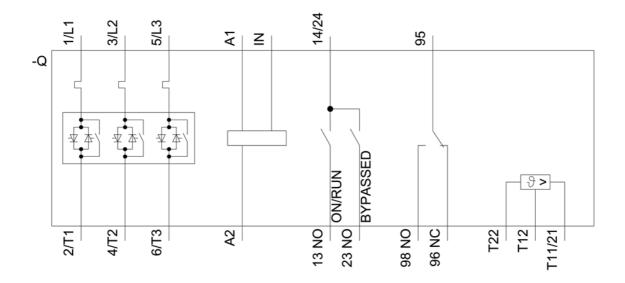
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5234-6TC15&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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