SIEMENS

Data sheet

3RW5227-1AC14



SIRIUS soft starter 200-480 V 93 A, 110-250 V AC Screw terminals Analog output

| 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 | <u>3RW5980-0HS00</u> |
| of high feature HMI module usable | <u>3RW5980-0HF00</u> |
| of communication module PROFINET standard usable | <u>3RW5980-0CS00</u> |
| of communication module PROFIBUS usable | <u>3RW5980-0CP00</u> |
| of communication module Modbus TCP usable | <u>3RW5980-0CT00</u> |
| of communication module Modbus RTU usable | <u>3RW5980-0CR00</u> |
| of communication module Ethernet/IP | <u>3RW5980-0CE00</u> |
| of circuit breaker usable at 400 V | 3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 15 kA, CLASS 10 |
| of circuit breaker usable at 500 V | <u>3VA2216-7MN32-0AA0;</u> Type of coordination 1, Iq = 10 kA, CLASS 10 |
| of circuit breaker usable at 400 V at inside-delta circuit | <u>3VA2220-7MN32-0AA0;</u> Type of coordination 1, Iq = 15 kA, CLASS 10 |
| of circuit breaker usable at 500 V at inside-delta circuit | <u>3VA2220-7MN32-0AA0;</u> Type of coordination 1, Iq = 10 kA, CLASS 10 |
| of the gG fuse usable up to 690 V | <u>3NA3136-6;</u> Type of coordination 1, Iq = 65 kA |
| of the gG fuse usable at inside-delta circuit up to 500 V | <u>3NA3136-6;</u> Type of coordination 1, Iq = 65 kA |
| of full range R fuse link for semiconductor protection usable up to 690 V | <u>3NE1224-0;</u> Type of coordination 2, Iq = 65 kA |
| of back-up R fuse link for semiconductor protection usable up to 690 V | <u>3NE4124;</u> Type of coordination 2, Iq = 65 kA |
| General technical data | |
| starting voltage [%] | 30 100 % |
| stopping voltage [%] | 50 %; non-adjustable |
| 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 | |
| HMI-High Feature | No |
| is supported HMI-Standard | Yes |
| is supported 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 | |

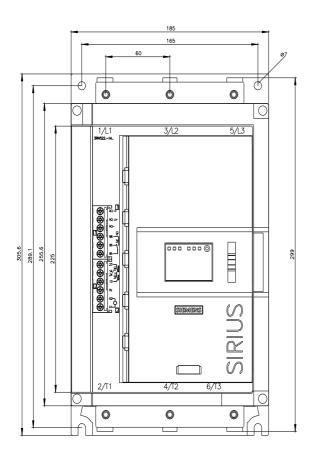
| · · · · · | 100 |
|---|--|
| for main current circuit | 100 ms |
| for control circuit | 100 ms |
| insulation voltage rated value | 600 V |
| degree of pollution | 3, acc. to IEC 60947-4-2 |
| impulse voltage rated value | 6 kV |
| blocking voltage of the thyristor maximum | 1 400 V |
| service factor | 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 according to IEC 60947-4-2 | AC 53a |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 02/15/2018 |
| product function | 02/10/2010 |
| • | Yes |
| ramp-up (soft starting) ramp down (soft start) | Yes |
| ramp-down (soft stop) | |
| Soft Torque | Yes |
| adjustable current limitation | Yes |
| pump ramp down | Yes |
| intrinsic device protection | Yes |
| motor overload protection | Yes; Electronic motor overload protection |
| evaluation of thermistor motor protection | No |
| 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 | Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature |
| 5 | HMI) |
| Power Electronics | |
| operational current | |
| • at 40 °C rated value | 93 A |
| at 50 °C rated value | 82.5 A |
| • at 60 °C rated value | 75.5 A |
| operational current at inside-delta circuit | |
| at 40 °C rated value | 161 A |
| | |
| • at 50 °C rated value | 143 A |
| • at 60 °C rated value | 131 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 | |
| relative positive tolerance of the operating voltage at | 10 % |
| inside-delta circuit | |
| | |
| operating power for 3-phase motors | |
| • at 230 V at 40 °C rated value | 22 kW |
| | 45 kW |
| • at 230 V at 40 °C rated value | |
| at 230 V at 40 °C rated value at 230 V at inside-delta circuit at 40 °C rated value | 45 kW |
| at 230 V at 40 °C rated value at 230 V at inside-delta circuit at 40 °C rated value at 400 V at 40 °C rated value | 45 kW 45 kW |

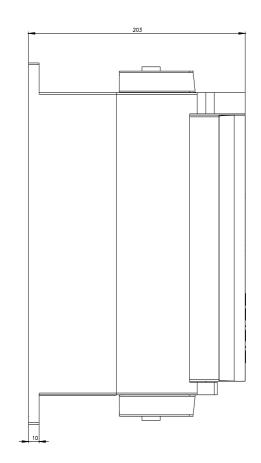
| Operating frequency 2 rated value | 60 Hz |
|---|--|
| relative negative tolerance of the operating frequency | -10 % |
| relative positive tolerance of the operating frequency | 10 % |
| adjustable motor current | |
| at rotary coding switch on switch position 1 | 40.5 A |
| at rotary coding switch on switch position 2 | 44 A |
| at rotary coding switch on switch position 3 | 47.5 A |
| at rotary coding switch on switch position 4 | 51 A |
| at rotary coding switch on switch position 5 | 54.5 A |
| at rotary coding switch on switch position 6 | 58 A |
| at rotary coding switch on switch position 7 | 61.5 A |
| at rotary coding switch on switch position 8 | 65 A |
| at rotary coding switch on switch position 9 | 68.5 A |
| at rotary coding switch on switch position 10 | 72 A |
| at rotary coding switch on switch position 11 | 75.5 A |
| at rotary coding switch on switch position 12 at rotary coding switch on switch position 12 | 79 A |
| at rotary coding switch on switch position 13 | 82.5 A 86 A |
| at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 | 89.5 A |
| at rotary coding switch on switch position 16 at rotary coding switch on switch position 16 | 93 A |
| minimum | 40.5 A |
| adjustable motor current | |
| for inside-delta circuit at rotary coding switch on switch position 1 | 70.1 A |
| for inside-delta circuit at rotary coding switch on switch position 2 | 76.2 A |
| for inside-delta circuit at rotary coding switch on switch position 3 | 82.3 A |
| for inside-delta circuit at rotary coding switch on switch position 4 | 88.3 A |
| for inside-delta circuit at rotary coding switch on switch position 5 | 94.4 A |
| for inside-delta circuit at rotary coding switch on switch position 6 | 100 A |
| for inside-delta circuit at rotary coding switch on switch position 7 | 107 A |
| • for inside-delta circuit at rotary coding switch on switch position 8 | 113 A |
| for inside-delta circuit at rotary coding switch on switch position 9 | 119 A |
| for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on | 125 A 131 A |
| for inside-delta circuit at rotary coding switch on for inside-delta circuit at rotary coding switch on | 137 A |
| for inside-delta circuit at rotary coding switch on for inside-delta circuit at rotary coding switch on | 137 A 143 A |
| switch position 13 for inside-delta circuit at rotary coding switch on | 149 A |
| switch position 14 • for inside-delta circuit at rotary coding switch on | 155 A |
| switch position 15 • for inside-delta circuit at rotary coding switch on | 161 A |
| switch position 16 | |
| at inside-delta circuit minimum | 70.1 A |
| minimum load [%] | 15 %; Relative to smallest settable le |
| power loss [W] for rated value of the current at AC | 40 W |
| at 40 °C after startup at 50 °C after startup | 40 W 37 W |
| • at 60 °C after startup | 35 W |
| power loss [W] at AC at current limitation 350 % | |
| • at 40 °C during startup | 1 270 W |
| • at 50 °C during startup | 1 077 W |
| • at 60 °C during startup | 959 W |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC |
| control supply voltage at AC | |

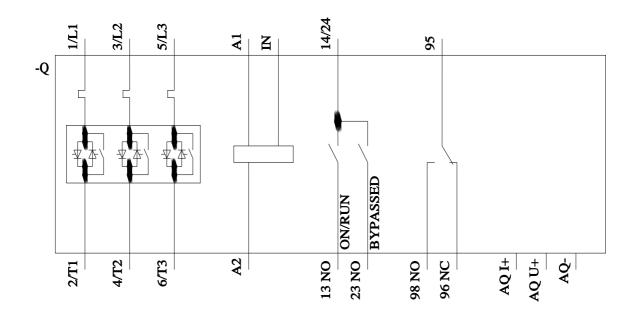
| • at 50 Hz | 110 250 V |
|--|--|
| • at 60 Hz | 110 250 V |
| relative negative tolerance of the control supply voltage at AC at 50 Hz | -15 % |
| relative positive tolerance of the control supply voltage at AC at 50 Hz | 10 % |
| relative negative tolerance of the control supply voltage at AC at 60 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 | -10 % |
| voltage frequency | |
| 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 |
| inrush current peak at application of control supply voltage | 12.2 A |
| 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 digital outputs | 3 |
| not parameterizable | 2 |
| digital output version | 2 normally-open contacts (NO) / 1 changeover contact (CO) |
| number of analog outputs | 1 |
| 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 | 1 A |
| • al DC-13 al 24 v Taleu value | |
| Installation/ mounting/ dimensions | |
| | with vertical mounting surface +/-90° rotatable, with vertical mounting |
| Installation/ mounting/ dimensions mounting position | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back |
| Installation/ mounting/ dimensions | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing |
| Installation/ mounting/ dimensions mounting position | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm |
| Installation/ mounting/ dimensions mounting position fastening method height width | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm |
| Installation/ mounting/ dimensions mounting position fastening method height width depth | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 10 mm 100 mm |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm |
| 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 | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.9 kg |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.9 kg |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.9 kg box terminal screw-type terminals |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.9 kg |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for control circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.9 kg box terminal screw-type terminals 25 mm |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections • for main contacts for box terminal using the front clamping point solid | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.9 kg box terminal screw-type terminals 25 mm 1x (2.5 16 mm ²) |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections • for main contacts for box terminal using the front | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.9 kg box terminal screw-type terminals 25 mm |
| Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections • for main contacts for box terminal using the front clamping point solid • for main contacts for box terminal using the front clamping point finely stranded with core end processing • for main contacts for box terminal using the front clamping point stranded | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 100 mm 100 mm 100 mm 55 mm 6.9 kg box terminal screw-type terminals 25 mm 1x (2.5 16 mm²) 1x (2.5 50 mm²) 1x (10 70 mm²) |
| 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 for control circuit for connectable conductor cross-sections for main contacts for box terminal using the front clamping point solid for main contacts for box terminal using the front clamping point stranded at AWG cables for main contacts for box terminal using the front clamping point stranded at AWG cables for main contacts for box terminal using the front clamping point stranded | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.9 kg box terminal screw-type terminals 25 mm 1x (2.5 16 mm ²) 1x (2.5 50 mm ²) 1x (10 70 mm ²) 1x (10 2/0) |
| 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 for main current circuit for connectable conductor cross-sections for main contacts for box terminal using the front clamping point finely stranded with core end processing for main contacts for box terminal using the front clamping point stranded at AWG cables for main contacts for box terminal | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 100 mm 100 mm 100 mm 55 mm 6.9 kg box terminal screw-type terminals 25 mm 1x (2.5 16 mm²) 1x (2.5 50 mm²) 1x (10 70 mm²) |

| for main contacts for box terminal using both clamping points solid | 2x (2.5 16 mm²) |
|---|---|
| for main contacts for box terminal using both clamping points finely stranded with core end processing | 2x (2.5 35 mm²) |
| for main contacts for box terminal using both clamping points stranded | 2x (6 16 mm²), 2x (10 50 mm²) |
| for main contacts for box terminal using the back clamping point finely stranded with core end processing | 1x (2.5 50 mm²) |
| for main contacts for box terminal using the back clamping point stranded | 1x (10 70 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 processing | 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) |
| 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 | 4.5 6 N·m |
| for auxiliary and control contacts with screw-type terminals | 0.8 1.2 N·m |
| tightening torque [lbf·in] | |
| for main contacts with screw-type terminals | 40 53 lbf·in |
| for auxiliary and control contacts with screw-type | 7 10.3 lbf·in |
| terminals | |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 5 000 m; Derating as of 1000 m, see catalog |
| ambient temperature | |
| during operation | -25 +60 °C; Please observe derating at temperatures of 40 °C or above |
| during storage and transport | -40 +80 °C |
| environmental category | |
| during operation according to IEC 60721 | 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 |
| during storage according to IEC 60721 | 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 |
| during transport according to IEC 60721 EMC emitted interference | 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A |
| | acc. 10 IEC 00347-4-2. Class A |
| Communication/ Protocol | |
| communication module is supported | |
| PROFINET standard | Yes |
| • EtherNet/IP | Yes |
| Modbus RTU | Yes |
| Modbus TCP | Yes |
| PROFIBUS | Yes |
| UL/CSA ratings | |
| manufacturer's article number | |
| of circuit breaker — usable for Standard Faults at 460/480 V | Siemens type: 3VA51, max. 125 A; lq = 10 kA |
| according to UL — usable for High Faults at 460/480 V according | Siemens type: 3VA51, max. 125 A; lq max = 65 kA |
| to UL — usable for Standard Faults at 460/480 V at | Siemens type: 3VA51, max. 125 A; lq = 10 kA |
| inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- | Siemens type: $3VA51$, max. 125 A; lq max = 65 kA |
| delta circuit according to UL — usable for Standard Faults at 575/600 V | Siemens type: $3VA51$, max. 125 A, iq max = 05 KA Siemens type: $3VA51$, max. 125 A; iq = 10 kA |
| according to UL | |
| usable for Standard Faults at 575/600 V at inside-delta circuit according to UL | Siemens type: 3VA51, max. 125 A; lq = 10 kA |
| of the fuse — usable for Standard Faults up to 575/600 V according to UI | Type: Class RK5 / K5, max. 300 A; lq = 10 kA |
| according to UL — usable for High Faults up to 575/600 V | Type: Class J / L, max. 250 A; Iq = 100 kA |
| | 1 Jpo. 01000 0 / L, 1101. 200 A, 19 - 100 KA |

| | UL | | | | | |
|---|---|---|--|---|--------------------------|----------------------------|
| circuit up to 5 | Standard Faults at in 575/600 V according | to UL | Type: Class RK5 / K5, max. 300 A; lq = 10 kA Type: Class J / L, max. 250 A; lq = 100 kA | | | |
| | High Faults at inside according to UL | -delta circuit up | Type: Class J / I | _, max. 250 A; | lq = 100 kA | |
| operating power [hp | o] for 3-phase motor | rs | | | | |
| at 200/208 V at | t 50 °C rated value | | 25 hp | | | |
| at 220/230 V at | t 50 °C rated value | | 30 hp | | | |
| at 460/480 V at | t 50 °C rated value | | 60 hp | | | |
| at 200/208 V at value | t inside-delta circuit a | t 50 °C rated | 40 hp | | | |
| at 220/230 V at value | t inside-delta circuit a | t 50 °C rated | 50 hp | | | |
| value | t inside-delta circuit a | | 100 hp | | | |
| contact rating of au | xiliary contacts acc | ording to UL | R300-B300 | | | |
| Safety related data | | | | | | |
| protection class IP | on the front accordi | ng to IEC | IP00; IP20 with | cover | | |
| 60529 touch protection on electromagnetic cor | - | y to IEC 60529 | finger-safe, for v | | t from the front with c | cover |
| | 1 2 | | | | -4-2 | |
| Certificates/ approval | | | | | | |
| General Product Ap | oproval | | | | | EMC |
| | | <u>Confirmatio</u> | ²ⁿ | | EHC | RCM |
| Declaration of Conf | formity | Test Certifica | ates Marine / | Shipping | | |
| | | | | | | |
| | | | | 1000 | CTA WID | |
| UK CA | CE EG-Konf. | <u>Type Test Ce</u> ates/Test Re | port | BS | BUREAU VERITAS | Lloyd's Register uis |
| CA | CE EG-Konf. | | port | BS | BUREAU VERITAS | Lloyd's Kegister urs |
| UK CA Marine / Shipping | CEC-Konf. | | port | BS | BUREAU VERITAS | Lloyd's Kegister urs |
| CA | | | port | BS | BUREAU VERITAS | Lloyd's Kegister urs |
| CA Marine / Shipping | other | | port | BS | BUREAU VERITAS | Lins |
| CA Marine / Shipping | other Confirmation | ates/Test Re | port | BS | BUREAU VERITAS | Lloyds Kegister urs |
| CA Marine / Shipping | other <u>Confirmation</u> wwnloadcenter (Cata | ates/Test Re | port | BS | BUREAU VERITAS | Lloyds Kegister urs |
| CA Marine / Shipping | other Confirmation | ates/Test Re | port | BS | BUREAU VERITAS | Lis |
| CA Marine / Shipping | other <u>Confirmation</u> wnloadcenter (Cata <u>com/ic10</u> e ordering system) | ates/Test Re | <u>port</u> | | BUREAU VERITAS | Lis |
| CA Marine / Shipping | other <u>Confirmation</u> winloadcenter (Cata <u>com/ic10</u> e ordering system) <u>iemens.com/mall/en/</u> or | ates/Test Re | port | 1 <u>AC14</u> | <u>BUREAU</u> VERITAS | Lins |
| CA Marine / Shipping | other <u>Confirmation</u> <u>confirmation</u> <u>com/ic10</u> <u>e ordering system</u>) <u>iemens.com/mall/en/</u> <u>or</u> <u>tion.siemens.com/WM</u> | ates/Test Re llogs, Brochures,. en/Catalog/produc: W/CAXorder/defau | port | 1 <u>AC14</u> | Z-1AC14 | Lins |
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