SIEMENS

Data sheet 3RW5246-6AC15



SIRIUS soft starter 200-600 V 370 A, 110-250 V AC Screw terminals Analog output

| SIRIUS |
|--|
| Hybrid switching devices |
| Soft starter |
| 3RW52 |
| |
| 3RW5980-0HS00 |
| 3RW5980-0HF00 |
| 3RW5980-0CS00 |
| 3RW5980-0CP00 |
| 3RW5980-0CT00 |
| 3RW5980-0CR00 |
| 3RW5980-0CE00 |
| 3VA2440-7MN32-0AA0: Type of coordination 1, Iq = 65 kA, CLASS 10 |
| 3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| 3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| 3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| 2x3NA3365-6; Type of coordination 1, Iq = 65 kA |
| 2x3NA3365-6; Type of coordination 1, Iq = 65 kA |
| 3NE1334-2: Type of coordination 2. Iq = 65 kA |
| 3NE3336; 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 | |
| <u> </u> | CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2 |
| 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; 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 HMI) |
| Power Electronics | |
| operational current | |
| • at 40 °C rated value | 370 A |
| • at 50 °C rated value | 328 A |
| at 60 °C rated value | 300 A |
| operational current at inside-delta circuit | |
| • at 40 °C rated value | 641 A |
| at 50 °C rated value | 568 A |
| at 60 °C rated value | 519 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 % |
| 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 | 110 kW |
| at 230 V at inside-delta circuit at 40 °C rated value | 200 kW |
| at 400 V at 40 °C rated value | 200 kW |
| at 400 V at inside-delta circuit at 40 °C rated value | 355 kW |
| at 500 V at 40 °C rated value | 250 kW |
| at 500 V at inside-delta circuit at 40 °C rated value | 450 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 | 160 A |
| at rotary coding switch on switch position 2 | 174 A |
| at rotary coding switch on switch position 3 | 188 A |
| at rotary coding switch on switch position 4 | 202 A |
| at rotary coding switch on switch position 5 | 216 A |
| at rotary coding switch on switch position 6 | 230 A |
| at rotary coding switch on switch position 7 | 244 A |
| at rotary coding switch on switch position 8 | 258 A |
| at rotary coding switch on switch position 9 | 272 A |
| at rotary coding switch on switch position 10 | 286 A |
| at rotary coding switch on switch position 11 | 300 A |
| at rotary coding switch on switch position 12 | 314 A |
| at rotary coding switch on switch position 13 | 328 A |
| at rotary coding switch on switch position 14 | 342 A |
| at rotary coding switch on switch position 15 | 356 A |
| at rotary coding switch on switch position 16 | 370 A |
| • minimum | 160 A |
| adjustable motor current | |
| for inside-delta circuit at rotary coding switch on switch position 1 | 277 A |
| for inside-delta circuit at rotary coding switch on switch position 2 | 301 A |
| for inside-delta circuit at rotary coding switch on switch position 3 | 326 A |
| for inside-delta circuit at rotary coding switch on switch position 4 | 350 A |
| for inside-delta circuit at rotary coding switch on switch position 5 | 374 A |
| for inside-delta circuit at rotary coding switch on switch position 6 for inside delta circuit at rotary coding switch or swit | 398 A |
| for inside-delta circuit at rotary coding switch on switch position 7 for inside delta circuit at rotary coding switch or swit | 423 A |
| for inside-delta circuit at rotary coding switch on switch position 8 for inside delta circuit at rotary coding switch on | 447 A |
| for inside-delta circuit at rotary coding switch on switch position 9 for inside delta circuit at rotary coding switch on switch on the circuit at rotary coding switch at rotary coding switch at rotary coding switch at rotary coding switch at | 471 A |
| for inside-delta circuit at rotary coding switch on switch position 10 for inside delta circuit at rotary coding switch on | 495 A |
| for inside-delta circuit at rotary coding switch on switch position 11 for inside-delta circuit at rotary coding switch on | 520 A 544 A |
| for inside-delta circuit at rotary coding switch on switch position 12 for inside-delta circuit at rotary coding switch on | 568 A |
| ior inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on | 592 A |
| switch position 14 for inside-delta circuit at rotary coding switch on | 617 A |
| switch position 15 | |

| for inside-delta circuit at rotary coding switch on | 641 A |
|--|--|
| switch position 16 | |
| at inside-delta circuit minimum | 277 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 | 123 W |
| at 50 °C after startup | 110 W |
| at 60 °C after startup | 102 W |
| power loss [W] at AC at current limitation 350 % | |
| • at 40 °C during startup | 5 575 W |
| at 50 °C during startup | 4 706 W |
| at 60 °C during startup | 4 157 W |
| Control circuit/ Control | 110711 |
| | A.C. |
| 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 | 10 % |
| voltage at AC at 50 Hz | |
| 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 | 100 mA |
| locked-rotor current at close of bypass contact | 2.2 A |
| maximum | |
| 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 | 1 |
| number of inputs for thermistor connection | 0 |
| 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 |
| | 1 A |
| • at DC-13 at 24 V rated value | In |
| Installation/ mounting/ dimensions | |
| 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 | 393 mm |
| width | 210 mm |
| depth | 203 mm |
| required spacing with side-by-side mounting | |
| | |

| • Lowerds • Communication • Commu | | |
|---|--|---|
| of the side | backwards | 0 mm |
| weight without packaging Connections' Terminals Uppe of electrical connection • for control circuit • for control circuit • for control circuit • for for Connections are maximum Uppe of connectable conductor cross-sections • for DIN cable lug for main contacts finely stranded • for DIN cable lug for main contacts finely stranded • for control circuit fleely stranded with core and processing • if a AWC cables for control circuit solid • for control circuit fleely stranded with core and processing • at AWC cables for control circuit solid • for auxiliary and control contacts with screw-type terminals • for auxiliary a | upwards | 100 mm |
| weight without packaging Commercions/Tominans For Control circuit For and current circuit For and control circuit For DIN cable lug for main contacts stranded For DIN cable lug for main contacts stranded For control circuit solid | downwards | 75 mm |
| Substance Subs | at the side | 5 mm |
| type of electrical connection | weight without packaging | 9.9 kg |
| • for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts finely stranded • for DIN cable lug for main contacts finely stranded • for control circuit saidd • for control circuit saidd • for control circuit finely stranded with core end processing • for control circuit finely stranded with core end processing • for control circuit finely stranded with core end processing • for control circuit finely stranded with core end processing • for control circuit finely stranded with core end processing • for control circuit finely stranded with core end processing • for control circuit solid • for control circuit solid • for control circuit finely stranded with core end processing • for control circuit solid • for control circuit sol | Connections/ Terminals | |
| width of connection bar maximum type of connectable conductor cross-sections of or DIN cable lug for main contacts stranded of co DIN cable lug for main contacts stranded type of connectable conductor cross-sections of control circuit solid at the digital inputs at AC maximum of at the digital inputs at AC maximum of at the digital inputs at AC maximum of an an contacts with screw-type terminals of or auxiliary and control contact | type of electrical connection | |
| width of connectable conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded • for DIN cable lug for main contacts finely stranded • for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid • for solidal | for main current circuit | busbar connection |
| type of connectable conductor cross-sections | for control circuit | screw-type terminals |
| • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections • for control circuit solid • at AWG cables for solid starter and motor maximum • at the digital inputs at AC maximum • at the digital inputs at AC maximum • of for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type • for main contacts with screw-type terminals • for maxiliary and control contacts with screw-type • furninals | width of connection bar maximum | 45 mm |
| • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid **Ix (0.5 4.0 mm²), 2x (0.5 1.5 mm²) **Ix (0.5 4.0 mm²), 2x (0.5 1.5 mm²), 2x (0.5 1.5 mm²), 2x (0.5 1.5 mm²) ** | type of connectable conductor cross-sections | |
| type of connectable conductor cross-sections • for control circuit solid • at AVMC cables for control circuit solid • at AVMC cables for control circuit solid • at the digital inputs at AC maximum • at the digital inputs at AC maximum • at the digital inputs at AC maximum • 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 • for 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 • for auxiliary and control contacts with screw-type • terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during storage and transport • during storage and transport • during storage and co. to IEC 60721 • during transport ac. to IEC 60721 • duri | for DIN cable lug for main contacts stranded | 2x (50 240 mm²) |
| • 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 100 m 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 • 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 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 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 124 24 N-m 124 24 N-m 124 24 N-m 125 +60 °C; Please observe derating at temperatures of 40 °C or above • during operation acc. to IEC 60721 • during operation acc. to IEC 60721 • during operation acc. to IEC 60721 • during operation acc | for DIN cable lug for main contacts finely stranded | 2x (70 240 mm²) |
| • for control circuit finely stranded with core end processing o at AWG cables for control circuit solid **wire length** • between soft starter and motor maximum • at the digital inputs at AC maximum **of the digital inputs at AC maximum **of rown microntacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals **of a raxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for main contacts • for \$0.000 microl screw for \$0.000 microl screw for \$0.000 microl screw for \$0.000 microl screw for | type of connectable conductor cross-sections | |
| processing at 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 of or auxiliary and control contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals Amblent conditions Installation altitude at height above sea level maximum ambient temperature of during operation of during storage and transport of uring storage and transport of uring storage acc. to IEC 60721 of uring time the devices, in the devices). 3M6 of the following time the devices of the dev | for control circuit solid | 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) |
| 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 • 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 124 210 lbf-in 7 10.3 lbf-in 124 210 lbf-in 124 210 lbf-in 124 210 lbf-in 124 | | 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) |
| between soft starter and motor maximum at the digital inputs at AC maximum itightening torque for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals itightening torque [lib*in] for main contacts with screw-type terminals if or main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals for maxiliary and control contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals installation altitude at height above sea level maximum ambient conditions mistallation altitude at height above sea level maximum ambient temperature during storage and transport 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 transport acc. t | at AWG cables for control circuit solid | 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 main contacts with screw-type terminals • 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 operation • during storage and transport • 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 • propriet | wire length | |
| tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals tightening torque [libFin] • 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 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 transport acc. to IEC 60721 • PROFINET standard • PROFINET standard • PROFIBUS UL/CSA ratings manufacturer's article number • of the fuse — usable for Figh Faults up to 575/600 V according to UL — usable for Figh Faults at inside-delta circuit up — usable for Figh Faults at inside-delta circuit up — usable for Figh Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up | between soft starter and motor maximum | 800 m |
| • 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 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 124 210 lbf-in 7 10.3 lbf-in 124 210 lbf-in 124 210 lbf-in 125 +60 °C; Please observe derating at temperatures of 40 °C or above enting as of 1000 m, see catalog 386 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 186 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 186 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 186 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3 | at the digital inputs at AC maximum | 100 m |
| • 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 operation • during storage and transport • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 **ENC emitted interference Communication module is supported • PROFINET standard • PROFIBUS **PROFIBUS **DROFIBUS | tightening torque | |
| terminals tightening torque [ibf-in] • for main contacts with screw-type terminals • for auxillary and control contacts with screw-type for auxillary and control contacts with screw-type installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • 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 EMC emitted interference communication Protocol communication Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus RTU • Nordbus RTU • Nord | for main contacts with screw-type terminals | 14 24 N·m |
| • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Amblent conditions installation altitude at height above sea level maximum amblent temperature • during operation • during storage and transport • 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 RTU • Modbus RTU • Standard Faults up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — Usable for High Faults at inside-delta circuit up to 575/600 V according to UL — Usable for High Faults at inside-delta circuit up to 575/600 V according to UL — Usable for High Faults at inside-delta circuit up to 575/600 V according to UL — Usable for High Faults at inside-delta circuit up to 575/600 V according to UL — Usable for High Faults at inside-delta circuit up to 575/600 V according to UL — Usable for High Faults at inside-delta circuit up to 575/600 V according to UL — Usable for High Faults at inside-delta circuit up to 575/600 V according to UL — Usable for High Faults at inside-delta circuit up to 575/600 V according to UL | , , , , , , , , , , , , , , , , , , , | 0.8 1.2 N·m |
| • for auxiliary and control contacts with screw-type terminals Amblent conditions installation altitude at height above sea level maximum ambient 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 transport acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference communication module is supported • PROFINET standard • PROFINET standard • PROFINET standard • PROFINET standard • PROFIBUS Tyes • PROFIBUS Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | tightening torque [lbf·in] | |
| Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • 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 • during transport acc. to IEC 60721 EMC emitted interference communication Protocol communication module is supported • PROFINET standard • PROFIBUS DL/GSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; lq = 100 kA | for main contacts with screw-type terminals | 124 210 lbf·in |
| installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • 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 RTU • Modbus RTU • Modbus TCP • PROFIBUS manufacturer's article number • of the fuse — usable for High Faults up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up | | 7 10.3 lbf·in |
| ambient temperature • during operation • during storage and transport • 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 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 • Modbus RTU • PROFIBUS Tyes • PROFIBUS Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | Ambient conditions | |
| during operation 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 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 PROFIBUS PROFIBUS Yes PROFIBUS Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | installation altitude at height above sea level maximum | 5 000 m; Derating as of 1000 m, see catalog |
| above 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 TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults ut inside-delta circuit up — usable for Standard Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up | ambient temperature | |
| 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 EMC emitted interference communication module is supported • PROFINET standard • Modbus RTU • Modbus TCP • PROFIBUS DL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up | | 05 .0000 51 |
| during operation acc. 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 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 the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | during operation | |
| mist), 3S2 (sand must not get into the devices), 3M6 • 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 the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4 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 • EtherNet/IP • Yes • PROFIBUS Yes UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA | • | above |
| ot get inside the devices), 1M4 • 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 the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up 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 • PROFINUS Tyes Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | during storage and transport | above |
| EMC emitted interference 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 the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA | during storage and transport environmental category | above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt |
| Communication / Protocol communication module is supported • PROFINET standard Yes • EtherNet/IP Yes • Modbus RTU Yes • Modbus TCP • PROFIBUS Yes UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | during storage and transport environmental category during operation acc. to IEC 60721 during storage acc. to IEC 60721 | 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 |
| 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 the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | during storage and transport environmental category during operation acc. to IEC 60721 during storage acc. to IEC 60721 during transport acc. to IEC 60721 | 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) |
| PROFINET standard EtherNet/IP Modbus RTU Modbus TCP Modbus TCP PROFIBUS PROFIBUS Yes UL/CSA ratings manufacturer's article number 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 V according to UL usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | 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 | 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) |
| EtherNet/IP Modbus RTU Modbus TCP PROFIBUS PROFIBUS Yes PROFIBUS Yes UL/CSA ratings manufacturer's article number 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 V according to UL usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | 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 | 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) |
| Modbus RTU Modbus TCP PROFIBUS Yes Ves UL/CSA ratings manufacturer's article number of the fuse usable for Standard Faults up to 575/600 V according to UL usable for Standard Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA | during storage and transport environmental category | 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) |
| Modbus TCP PROFIBUS Yes UL/CSA ratings manufacturer's article number 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 V according to UL usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | 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 | 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 |
| ◆ PROFIBUS UL/CSA ratings | 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 | 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 |
| ### Discrete Standard Faults up to 575/600 V according to UL — 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 V according to UL — usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | 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 | 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 |
| manufacturer's article number • 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 V according to UL — usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | 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 | 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 |
| 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 V according to UL usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | 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 | 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 |
| — 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 V according to UL — usable for High Faults at inside-delta circuit up — usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | 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 | 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 |
| 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 V according to UL — usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 100 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | 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 | 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 |
| according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 18 kA Type: Class J / L, max. 1200 A; Iq = 100 kA | 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 | 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 |
| circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up Type: Class J / L, max. 1200 A; Iq = 100 kA | during storage and transport 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 TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V | 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 |
| | • 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 the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V | 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 |
| | • 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 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 | 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 Yes Yes Ye |

| operating power [hp] for 3-phase motors | |
|---|---|
| at 200/208 V at 50 °C rated value | 100 hp |
| at 220/230 V at 50 °C rated value | 125 hp |
| at 460/480 V at 50 °C rated value | 250 hp |
| at 575/600 V at 50 °C rated value | 300 hp |
| at 200/208 V at inside-delta circuit at 50 °C rated value | 200 hp |
| at 220/230 V at inside-delta circuit at 50 °C rated value | 200 hp |
| at 460/480 V at inside-delta circuit at 50 °C rated value | 450 hp |
| at 575/600 V at inside-delta circuit at 50 °C rated value | 600 hp |
| contact rating of auxiliary contacts according to UL | R300-B300 |
| Safety related data | |
| protection class IP on the front acc. to IEC 60529 | IP00; IP20 with cover |
| touch protection on the front acc. to IEC 60529 | finger-safe, for vertical contact from the front with cover |
| 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=3RW5246-6AC15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5246-6AC15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5246-6AC15

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5246-6AC15&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

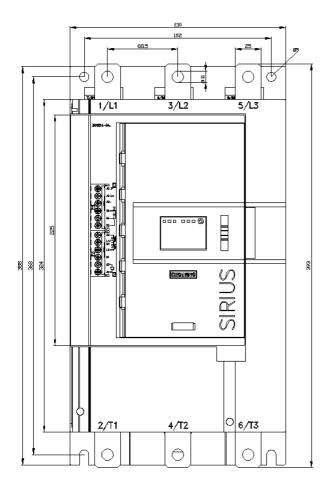
https://support.industry.siemens.com/cs/ww/en/ps/3RW5246-6AC15/char

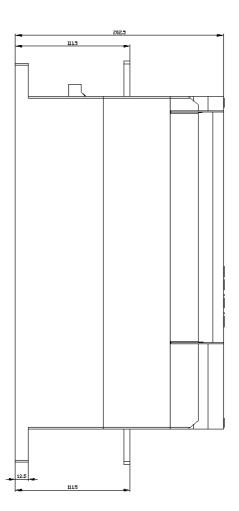
Characteristic: Installation altitude

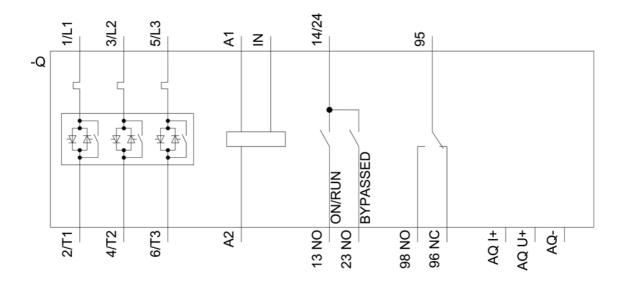
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5246-6AC15&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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