# SIEMENS

### Data sheet

## Siemens



SIRIUS soft starter 200-480 V 210 A, 110-250 V AC Screw terminals Thermistor



- of communication module PROFINET standard usable
- of communication module PROFIBUS usable
- of communication module Modbus TCP usable
- of communication module Modbus RTU usable
- of communication module Ethernet/IP
- of circuit breaker usable at 400 V
- of circuit breaker usable at 500 V
- of circuit breaker usable at 400 V at inside-delta circuit
- of circuit breaker usable at 500 V at inside-delta circuit
- of the gG fuse usable up to 690 V
- $\bullet$  of the gG fuse usable at inside-delta circuit up to 500 V
- $\bullet$  of full range R fuse link for semiconductor protection usable up to 690 V
- $\bullet$  of back-up R fuse link for semiconductor protection usable up to 690 V

3NE3333; Type of coordination 2, Iq = 65 kA

2x3NA3354-6; Type of coordination 1, Iq = 65 kA

2x3NA3354-6; Type of coordination 1, Iq = 65 kA

3NE1230-2; Type of coordination 2, Iq = 65 kA

3VA2325-7MN32-0AA0; Type of coordination 1, Ig = 65 kA, CLASS 10

3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10

3VA2440-7MN32-0AA0; Type of coordination 1, Ig = 65 kA, CLASS 10

3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10

#### General technical data

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
<ul> <li>is supported HMI-Standard</li> </ul>	Yes
<ul> <li>is supported HMI-High Feature</li> </ul>	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
buffering time in the event of power failure	

3RW5980-0CS00

3RW5980-0CP00

3RW5980-0CT00

3RW5980-0CR00

3RW5980-0CE00

## 3RW5243-6TC14

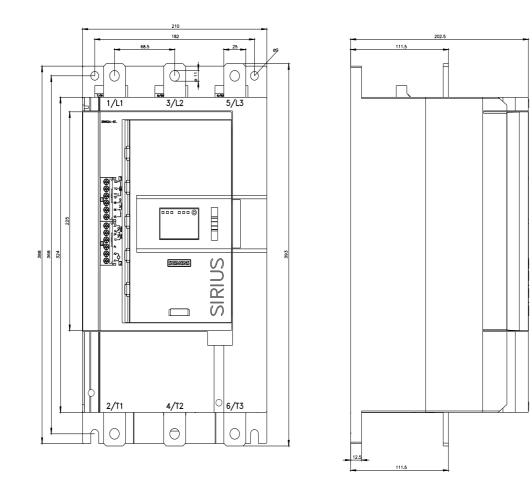
• for control crout     100 ms       insulation voltage rated value     600 V       degree of pollution     3, acc. to IEC 60917-4-2       impute voltage rated value     6 V/       service factor     1       service factor     100 V       estructure main and auxilizator protective separation     600 V       • between main and auxilizator capout value     60 V       • attract resistance     10 (311 ms, tom 12g / 11 ms with polential contact Hing       • attract resistance     00 V       • attract resistance     01 (312 / 312 / 31 ms with polential contact Hing       • attract resistance     02 (320 / 320 /	for main current circuit	100 ms				
Insulation vortage rated value         800 V           degree of pollution         3, acc. to F08 0697.4.2           Impulse vortage rated value         6 V           Bocking vortage of the thyritor maximum         1 800 V           string factor         1           string vortage of the thyritor maximum         6 V           maximum permissible vortage for protocitive separation         6 V           • theteven main and auxilary circuit         600 V           • distance Prohibitanc (Dato)         02/15/2018           SVMC substance name         2/11 time, time thyritor thyritor maximum           • theteven main and auxilary circuit         600 V           • distance Prohibitanc (Dato)         02/15/2018           SVMC substance Context to thete						
degree of polution         9, act. to IEC 8047-4-2           Impulse vortage radi value         610'           Service fractor         1           service fractor         1           service fractor         1           using voltage of the thyristor maximum         1600 V           service fractor         1           using voltage resistance rated value         600 V           maximum permissible voltage for protective separation         600 V           setucement main and auxiliary offuttion         600 V           difference code according to IEC 61446-2         Q           Q         200 - 7422 (21 ms with potential contact iting           SWHC substance home         Lead - 7439-82-1           Lead - 7439-82-1         Lead - 7439-82-1           Lead - 7439-82-1         Lead - 7439-82-1           Dedocable potentization fluctures         and straining any of its individual anti- and syn-somes or any contraination fluctures           gerectification         Yes         anti- 7439-82-1           Interd function         Yes         Yes           * amany-up (soft starting)         Yes         Yes           * and vortable protection         Yes         Yes           * and vortable protection         Yes         Yes           *						
Implete voltage rated value         6 kV           blocking voltage rated value         1           surge voltage rated value         6 kV           maximum primisation voltage for protective separation         6 kV           aurge voltage rated value         6 kV           abok resistance         11 g J (11 ms, ktm potential contact liting           villation category according to IEC 00947-4.2         AC 538           forkrome code according to IEC 01947-4.2         AC 538           villation category according to IEC 01947-4.2         AC 538           SVHC substance name         Lead -ransorde (ad code) - 1317-36.8           according to IEC 01947-9         A I Isopropriot monotele (ad code) - 1317-36.8           according to IEC 01947-9         A I Isopropriot monotele (ad code) - 1317-36.8           according to IEC 01947-9         A I Isopropriot monotele (ad code) - 1317-36.8           according to IEC 01947-9         A I Isopropriot monotele (ad code) - 1317-36.8           according to IEC 01947-9         A I Isopropriot monotele (ad code) - 140.7.96           product function         Image According to IEC 0100						
bioching voltage of the thyristor maximum         1 600 V           surge voltage relations rated value         5 kV           maximum permissible voltage for protective separation         6 kV           • between main and auxiliary orbit         600 V           shows main and auxiliary orbit         71805 D0           Shift auxiliary orbit         71805 D0           shows main         2015 2018           Shift auxiliary orbit         2016 2014     <						
service factor         1           surge voltage resistance ratio volues         6 kV           eldeveen main and auxiliary circuit         60 V           shock resistance         15 g/ 11 ms, from 12 g/ 11 ms with potential contact litting           utilization category according to IEC 00047-4-2         AC 53a           reference code according to IEC 00047-4-2         AC 53a           shock resistance         10 g/ 11 ms, from 12 g/ 11 ms with potential contact litting           status according to IEC 00047-4-2         AC 53a           for frame code according to IEC 00047-4-2         AC 53a           status according to IEC 00047-4-2         AC 53a           SVHC substance name         Catrixo16           SVHC substance name         Catrixo17 17.438           Status according to IEC 00047-42         AC 53a           reference code Status and status and syn-isomers or any consultaton thereof Optic 10 (CHP) - 84.61.7           status according to IEC 00047-42         No covering any of its individual and- and syn-isomers or any consultaton thereof Optic 10 (CHP) - 84.61.7           resistance according to IEC 00047-42         Yes           status according to IEC 00047-42         Yes           status according to IEC 00047-42         Yes           remains according to IEC 00047-42         Yes           remainstacodo protection						
surge voltage resistance rated value         6 kV           maximum permissible voltage for protective separation         600 V           • between main and auxiling voltatit         750 Sin           • reference code according to IEC 81345-2         0           • Outprison voltatit         201/52016           SVHC substance name         Lead -7439.82-1           • Lead -7439.82-1         Lead -7439.82-1           • Detection voltatity -144 -64 nettry voltation voltat						
maximum permissible voltage for protective separation     600 V       • between main and auxiliary circuit     500 V       • between main and auxiliary circuit     15 g/11 ms, from 12 g/11 ms with potential contact lifting       • utilization category according to IEC 60947.4-2     AC 55a       • General code according to IEC 60947.4-2     AC 55a       • Substance Prohibitance (Date)     02/15/2016       SVHC substance name     12 / 2 / 3 / 4 statemon-24 / 4 superprojectoregan-1-one - 7 / 888-10-5       • Z 2 / 5 / 4 state down-24 / 4 superprojectoregan-1-one - 7 / 888-10-5     2 / 2 / 5 / 4 state down-24 / 4 superprojectoregan-1-one - 7 / 888-10-5       • amp-up (soft starting)     Yes     10 / 2 / 1 / 0 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2						
ebeveen main and availably circuit     shock resistance     iditization tackgoys according to IEC 60947.4.2     AC 53a     reference code according to IEC 61947.4.2     AC 53a     Code according to IEC 61947.4.2     AC 53a     Code according to IEC 61947.4.2     Code according to IEC 61949.4     Code accode according to IEC 61949						
shock resistance         15 gr 11 ms, from 12 gr / 11 ms with potential contact lifting           utilization category according to IEC 60497-4-2         AC 53a           reference code according to IEC 81346-2         Q           Stustance Prohibitance (Dato)         52715/2018           SVHC substance name         20/15/2018           SVHC substance name         20/15/2018           SVHC substance name         20/15/2018           product function         20/15/2018           product function         20/15/2018           product function         20/15/2018           etail monotable (leaf colde) - 1317-38-8         20/16/2018           product function         20/15/2018           etail monotable (leaf colde) - 1317-38-8         20/16/2018           product function         Yes           etail monotable (local and en/ly covering any of lis individual and syn-isomers or any combination function - 220/3-19-4           periodevice protection         Yes           etail subscinction         Yes           etail subscinction         Yes           etail cover protection         Yes           etail cover protection         Yes           etail cover protection         Yes           etail cover protection         Yes           etail cover protection </th <th></th> <th>600 V</th>		600 V				
diffication calegory according to IEC 81346-2       Q         substance Prohibitance (table)       02/15/2018         SVHC substance name       Lead -7639-2-1         Lead -7639-2-1       Lead -7639-2-1         SVHC substance name       Lead -7639-2-1         Substance Prohibitance (table)       02/15/2018         SVHC substance name       Lead -7639-2-1         Substance Prohibitance (table)       02/15/2018         Substance Prohibitance (table)       12/15/16/16/16/16/16/16/16/16/16/16/16/16/16/	•					
reference code according to IEC 81346-2     Q       Substance Prohibitance (Date)     02/15/2018       SVHC substance name     Lead .7438-82-1       Lead monoide (lead colde) - 1317-36-8     22/15/2018       Substance Prohibitance (Date)     22/15/2018       Date     22/15/2018       Substance Prohibitance (Date)     24/15/2018       Substance Prohibitance (Date)     22/15/2018       Product function     Yes       * ramp-up (soft stanfing)     Yes       * adjustable current limitation     Yes						
Substance Prohibitance (Date)         02/15/2018           SVHC substance name         Lead - 7439/82.1           Lead - 7439/82.1         Lead - 7439/82.1           Several Science name         Lead - 7439/82.1           Lead - 7439/82.1         Lead - 7439/82.1           Science name         Lead - 7439/82.1           Lead - 7439/82.1         Lead - 7439/82.1           Science name         Lead - 7439/82.1           Lead - 7439/82.1         Lead - 7439/82.1           Lead - 7439/82.1         Lead - 7439/82.1           Lead - 7439/82.1         Lead - 7439/82.1           Dedecachtoroperitaryo(c)[12.2.116, 0.02130.5 (1)Dedates-71.5-dine (C)Dedecachtoroperitaryo(c)[12.2.116, 0.02130.5 (1)Dedates-71.5-dine (C)Dedates-71.5-dine (C)Dedates-71						
SVHC substance name     Leat - 7439-92-1       Leat - 7439-92-1     Leat - 7439-92-1       L						
Lead monoxide (read oxido) - 1317-36-8         2-8.6 A detaincome 4.4 isopropylidenciphonal - 79.94.7         1.6.7.8.9, 14.16, 16.9.02, 13.05, 100/tataleca-7, 15-diene         Carlow 1.4 A despropylidenciphonal - 79.94.7         1.6.7.8.9, 14.16, 16.9.02, 13.05, 100/tataleca-7, 15-diene         Carlow 1.4.7.17, 18, 18         Product function						
• ramp-up (soft starting)       Yes         • ramp-down (soft stop)       Yes         • Soft Torque       Yes         • adjustable current limitation       Yes         • untrinsic device protection       Yes         • intrinsic device protection       Yes         • motor overload protection       Yes         • evaluation of thermistor motor protection       Yes         • intrinsic device protection       Yes         • evaluation of thermistor motor protection       Yes         • inside-defla circuit       Yes         • auto-RESET       Yes         • manual RESET       Yes         • 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 configurable       Yes         • via software configurable       Yes         • removable terminal for control circuit       Yes         • removable terminal for control circuit       Yes         • via software configurable       Yes         • analog output       Yes         • removable terminal for control circuit       Yes         • torque control       iat 0° C rated value		Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Dicyclohexyl phthalate (DCHP) - 84-61-7				
• ramp-dup (soft starting)       Yes         • ramp-down (soft stop)       Yes         • Soft Torque       Yes         • adjustable current limitation       Yes         • untrinsic device protection       Yes         • intrinsic device protection       Yes         • motor overload protection       Yes         • evaluation of thermistor motor protection       Yes         • intrinsic device protection       Yes         • evaluation of thermistor motor protection       Yes         • inside-defta circuit       Yes         • auto-RESET       Yes         • auto-RESET       Yes         • communication function       Yes         • communication function       Yes         • compating measured value display       Yes: Only in conjunction with special accessories         • error logbook       Yes; in connection with special accessories         • via software configurable       Yes         • via software configurable       Yes         • removable terminal for control circuit       Yes         • firmware update       Yes         • removable terminal for control circuit       Yes         • torque control       soft A         • at 60 °C rated value       10 A         • at	product function					
• ramp-down (soft stop)       Yes         • Soft Torque       Yes         • adjustable current limitation       Yes         • pump ramp down       Yes         • intrinsic device protection       Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)         • evaluation of thermistor motor protection       Yes; Type A PTC or Kilkon / Thermoclick         • inside-delta circuit       Yes         • auto-RESET       Yes; By turning off the control supply voltage         • communication function       Yes; Only in conjunction with special accessories         • error logbook       Yes; Nuring off the control supply voltage         • via software parameterizable       No         • via software configurable       Yes         • torque control       Yes; no connection with the PROFINET Standard communication module         • firmware update       Yes         • torque control       No         • analog output       No         • analog output       No         • at 60 °C rated value       210 A         • at 60 °C rated value       364 A         • at 60 °C rated value       224 A         • at 60 °C rated value       364 A         • at 60 °C rated value       294 A         • of rated value		Yes				
<ul> <li>Soft Torque</li> <li>Yes</li> <li>adjustable current limitation</li> <li>Yes</li> <li>adjustable current limitation</li> <li>Yes</li> <li>adjustable current limitation</li> <li>Yes</li> <li>intrinsic device protection</li> <li>Yes: Full motor protection (thermistor motor protection and electronic motor overload protection)</li> <li>evaluation of thermistor motor protection</li> <li>Yes: Type A PTC or Kilkon / Thermoclick</li> <li>inside-delta circuit</li> <li>Yes</li> <li>auto-RESET</li> <li>remote reset</li> <li>communication function</li> <li>Yes: Only in conjunction with special accessories</li> <li>oparating measured value display</li> <li>Yes: Only in conjunction with special accessories</li> <li>via software configurable</li> <li>Yes</li> <li>removable forminal for control circuit</li> <li>Yes</li> <li>removable forminal for control circuit</li> <li>via software update</li> <li>to coprational current</li> <li>at 40 °C rated value</li> <li>at 60 °C r</li></ul>		Yes				
• adjustable current limitation     Yes       • pump ramp down     Yes       • intrinsic device protection     Yes       • motor overload protection     Yes       • waluation of thermistor motor protection     Yes; Type A PTC or Klikon / Thermocilick       • inside-delta circuit     Yes       • auto-RESET     Yes       • emotor evende reset     Yes; By turning off the control supply voltage       • ommunication function     Yes; Only in conjunction with special accessories       • emotor erset     Yes; Ionly in conjunction with special accessories       • operating measured value display     Yes; Only in conjunction with special accessories       • via software parameterizable     No       • via software configurable     Yes       • removable ferminal for control circuit     Yes       • tatog output     No       Power Electronics     You A       • at alog output     No       Power Electronics     210 A       • at 60 °C rated value     264 A       • at 60 °C rated value     364 A       • at 60 °C rated value     364 A       • at 60 °C rated value     224 A       • at 60 °C rated value     294 A       • operating voltage     294 A       • rated value     200 480 V       • at 60 °C rated value     200 480 V						
• pump ramp downYes• Intrinsic device protectionYes• motor overload protectionYes• motor overload protectionYes• valuation of thermistor motor protectionYes• inside-delta circuitYes• inside-delta circuitYes• inside-delta circuitYes• indic-RESETYes• manual RESETYes• error logbookYes; Drly in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software parameterizableYes• indic/dataYes• removable terminal for control circuitYes• forque controlNo• aid of Crated value210 A• at 60 °C rated value186 A• at 60 °C rated value364 A• at 60 °C rated value224 A• at 60 °C rated value294 A• at 60 °C ra	•					
• 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         • communication function       Yes; By turning off the control supply voltage         • communication function       Yes         • operating measured value display       Yes; Only in conjunction with special accessories         • via software parameterizable       No         • via software configurable       Yes         • infimware updats       Yes         • removable terminal for control circuit       Yes         • firmware updats       Yes         • orgue control       No         • analog output       No         • analog output       No         • at 60 °C rated value       210 A         • at 60 °C rated value       364 A         • at 60	-	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         • emotire reset       Yes; Day I protection with special accessories         • communication function       Yes; Only in conjunction with special accessories         • error logbook       Yes; Only in conjunction with special accessories         • via software parameterizable       No         • via software configurable       Yes; in connection with the PROFINET Standard communication module         • firmware update       Yes         • removable terminal for control circuit       Yes         • power Electronics       Yes         operating measured value       210 A         • at 40 °C rated value       170 A         • at 40 °C rated value       364 A         • at 60 °C rated value       364 A        • at 60 °C rated value       364 A     <						
• inside-delta circuit     Yes       • auto-RESET     Yes       • manual RESET     Yes       • remote reset     Yes; By turning off the control supply voltage       • communication function     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       • log update     Yes       • log update     Yes       • orque control     No       • analog output     No       Power Electronics     210 A       • at 60 °C rated value     186 A       • at 60 °C rated value     170 A       • operational current     322 A       • at 60 °C rated value     220 480 V       • at 60 °C rated value     294 A       • operating voltage     294 A       • at or value     294 A       • at or value     200 480 V       • at or value     200 480 V       • at inside-delta circuit rated value     200 480 V       • at inside-delta circuit rated value     200 480 V	-					
• auto-RESETYes• manual RESETYes• remote resetYes; By turning off the control supply voltage• communication functionYes;• operating measured value displayYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes;• via software configurableYes;• prover lederonicYes;• removable terminal for control circuitYes• firmware updateYes• removable terminal for control circuitYes• operating outputNo• over ElectronicsYes• operational current210 A• at 40 °C rated value186 A• at 50 °C rated value364 A• at 50 °C rated value364 A• at 50 °C rated value322 A• at 60 °C rated value294 A• operating voltage294 A• preting voltage294 A• erated value200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit roted value200 480 V•	<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick				
• manual RESETYes• remote resetYes; By turning off the control supply voltage• communication functionYes; Only in conjunction with special accessories• operating measured value displayYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputNoPower ElectronicsYesoperational current210 A• at 40 °C rated value186 A• at 40 °C rated value364 A• at 40 °C rated value364 A• at 60 °C rated value220 480 V• at 60 °C rated value294 A• at 60 °C rated value200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit roted value200 480 V	inside-delta circuit	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         Operational current       210 A         • at 40 °C rated value       186 A         • at 60 °C rated value       364 A         • at 60 °C rated value       364 A         • at 60 °C rated value       294 A         operating voltage       294 A         operating voltage       294 A         operating voltage       200 480 V         • at inside-delta circuit rated value       200 480 V         • at inside-delta circuit rated value       200 480 V         • at inside-delta circuit rated value       200 480 V	auto-RESET	Yes				
<ul> <li>communication function</li> <li>Yes</li> <li>operating measured value display</li> <li>Yes; Only in conjunction with special accessories</li> <li>error logbook</li> <li>Yes; Only in conjunction with special accessories</li> <li>via software parameterizable</li> <li>No</li> <li>via software configurable</li> <li>Yes</li> <li>PROFIenergy</li> <li>Yes in connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>Yes</li> <li>removable terminal for control circuit</li> <li>forque control</li> <li>analog output</li> <li>No</li> </ul> Power Electronics operational current <ul> <li>at 40 °C rated value</li> <li>at 50 °C rated value</li> <li>of crated value</li> <li>at 60 °C rated value</li> <li>at inside-delta circuit rated value</li> <li>at inside-delta circuit rated value</li> <li>at inside-delt</li></ul>	manual RESET	Yes				
• operating measured value displayYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputNoPower ElectronicsYesoperational current210 A• at 40 °C rated value210 A• at 60 °C rated value364 A• at 60 °C rated value364 A• at 60 °C rated value294 A• operating current at inside-delta circuit294 A• at 60 °C rated value200 480 V• at inside-delta circuit	remote reset	Yes; By turning off the control supply voltage				
• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputNoPower ElectronicsOperational current• at 40 °C rated value210 A• at 60 °C rated value186 A• at 60 °C rated value364 A• at 60 °C rated value364 A• at 60 °C rated value222 A• at 60 °C rated value200 480 V• at 60 °C rated value200 480 V• at 60 °C rated value210 A• at 60 °C rated value364 A• at 60 °C rated value364 A• at 60 °C rated value120 M• at 10 °C rated value120 M• at 10 °C rated value<	<ul> <li>communication function</li> </ul>	Yes				
via software parameterizableNovia software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputNoPower ElectronicsNo• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value364 A• at 40 °C rated value364 A• at 50 °C rated value322 A• at 60 °C rated value200 480 V• at 60 °C rated value200 480 V<	<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories				
via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputNoPower ElectronicsVers• at 40 °C rated value210 A• at 60 °C rated value186 A• at 60 °C rated value264 A• at 60 °C rated value222 A• at 60 °C rated value294 A• at 60 °C rated value294 A• at 60 °C rated value200 480 V• at at 0 value200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit rated value200 480 V• at inside to free of the operating voltage-15 %• relative positive tolerance of the operating voltage10 %	error logbook	Yes; Only in conjunction with special accessories				
<ul> <li>PROFlenergy</li> <li>Yes; in connection with the PROFINET Standard communication module</li> <li>firmware update</li> <li>Yes</li> <li>removable terminal for control circuit</li> <li>torque control</li> <li>analog output</li> <li>No</li> <li>analog output</li> <li>No</li> <li>Power Electronics</li> <li>operational current         <ul> <li>at 40 °C rated value</li> <li>210 A</li> <li>at 60 °C rated value</li> <li>170 A</li> </ul> </li> <li>operational current at inside-delta circuit</li> <li>at 40 °C rated value</li> <li>364 A</li> <li>at 50 °C rated value</li> <li>322 A</li> <li>at 60 °C rated value</li> <li>322 A</li> <li>at 60 °C rated value</li> <li>322 A</li> <li>at 60 °C rated value</li> <li>340 °C rated value</li> <li>340 °C rated value</li> <li>340 °C rated value</li> <li>340 °C rated value</li> <li>364 A</li> <li>at 60 °C rated value</li> <li>322 A</li> <li>at 60 °C rated value</li> <li>340 °C rated value</li> <li>340 °C rated value</li> <li>340 °C rated value</li> <li>340 °C rated value</li> <li>350 °C rated value</li> <li>364 A</li> <li>364 A</li> <li>360 °C rated value</li> <li>364 A</li> <li>364 A</li> <li>360 °C rated value</li> <li>360 °C</li></ul>	<ul> <li>via software parameterizable</li> </ul>	No				
firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputNoPower ElectronicsNooperational current210 A• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value364 A• at 40 °C rated value364 A• at 60 °C rated value220 A• operational current at inside-delta circuit322 A• at 60 °C rated value204 A• at 60 °C rated value204 A• at 60 °C rated value364 A• at 60 °C rated value364 A• at 60 °C rated value364 A• at 60 °C rated value204 A• at 60 °C rated value204 A• at 60 °C rated value200 480 V• at inside-delta circuit rated value210 %	<ul> <li>via software configurable</li> </ul>	Yes				
• removable terminal for control circuitYes• torque controlNo• analog outputNoPower ElectronicsVertical current• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value170 A• operational current at inside-delta circuit364 A• at 50 °C rated value364 A• at 60 °C rated value294 A• at 60 °C rated value294 A• at 60 °C rated value210 480 V• at 60 °C rated value170 480 V• at 60 °C rated value200 480 V• at et value200 480 V• at inside-delta circuit rated value200 480 V• at inside tolerance of the operating voltage-15 %• at inside tolerance of the operating voltage10 %	PROFlenergy	Yes; in connection with the PROFINET Standard communication module				
• torque controlNo• analog outputNoPower Electronicsoperational current210 A• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value70 Aoperational current at inside-delta circuit364 A• at 60 °C rated value364 A• at 60 °C rated value294 A• at 60 °C rated value200 480 V• at 60 °C rated value200 480 V• at inside-delta circuit rated value15 %• relative positive tolerance of the operating voltage10 %	firmware update	Yes				
• analog outputNoPower Electronicsoperational current210 A• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value170 Aoperational current at inside-delta circuit364 A• at 40 °C rated value364 A• at 60 °C rated value322 A• at 60 °C rated value294 Aoperating voltage200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit rated value115 %relative positive tolerance of the operating voltage10 %	<ul> <li>removable terminal for control circuit</li> </ul>	Yes				
Power Electronics         operational current         • at 40 °C rated value         • at 50 °C rated value         • at 60 °C rated value         • at 40 °C rated value         • at 50 °C rated value         • at 60 °C rated value         • at inside-delta circuit rated value         • at inside-delta circuit rated value         200 480 V         • at inside-delta circuit rated value         200 480 V         • at inside-delta circuit rated value         10 %	torque control	No				
operational current210 A• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value170 Aoperational current at inside-delta circuit	analog output	No				
• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value170 Aoperational current at inside-delta circuit70 A• at 40 °C rated value364 A• at 50 °C rated value322 A• at 60 °C rated value294 A• at 60 °C rated value200 480 V• at inside-delta circuit rated value15 %	Power Electronics					
• at 50 °C rated value186 A• at 60 °C rated value170 Aoperational current at inside-delta circuit170 A• at 40 °C rated value364 A• at 50 °C rated value322 A• at 60 °C rated value294 A• at 60 °C rated value200 480 V• at inside-delta circuit rated value10 %	operational current					
• at 60 °C rated value170 Aoperational current at inside-delta circuit• at 40 °C rated value364 A• at 50 °C rated value322 A• at 60 °C rated value294 Aoperating voltage• rated value200 480 V• at inside-delta circuit rated value200 480 V• at inside-delta circuit rated value200 480 V• relative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %	• at 40 °C rated value	210 A				
operational current at inside-delta circuit• at 40 °C rated value364 A• at 50 °C rated value322 A• at 60 °C rated value294 Aoperating voltage200 480 V• at inside-delta circuit rated value200 480 V• relative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %	• at 50 °C rated value	186 A				
• at 40 °C rated value364 A• at 50 °C rated value322 A• at 60 °C rated value294 Aoperating voltage200 480 V• at inside-delta circuit rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %	• at 60 °C rated value	170 A				
• at 50 °C rated value322 A• at 60 °C rated value294 Aoperating voltage200 480 V• rated value200 480 V• at inside-delta circuit rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %	operational current at inside-delta circuit					
• at 60 °C rated value     294 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 %	• at 40 °C rated value	364 A				
operating voltage       200 480 V         • 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 %	• at 50 °C rated value	322 A				
• 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 %	• at 60 °C rated value	294 A				
● at inside-delta circuit rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %	operating voltage					
relative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %	rated value	200 480 V				
relative positive tolerance of the operating voltage 10 %	<ul> <li>at inside-delta circuit rated value</li> </ul>	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 %	relative negative tolerance of the operating voltage at	-15 %				

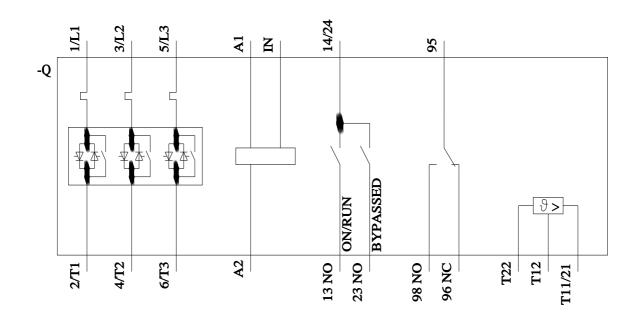
inside-delta circuit	
relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	55 kW
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	110 kW
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	110 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	200 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	
<ul> <li>at rotary coding switch on switch position 1</li> </ul>	90 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	98 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	106 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	114 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	122 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	130 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	138 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	146 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	154 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	162 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	170 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	178 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	186 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	194 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	202 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	210 A
• minimum	90 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	156 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	170 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	184 A
for inside-delta circuit at rotary coding switch on switch     position 4	197 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> <li>for inside delta circuit at rotary coding switch on switch</li> </ul>	211 A 225 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	239 A
<ul> <li>or inside delta circuit at rotary coding switch on switch</li> <li>or inside-delta circuit at rotary coding switch on switch</li> </ul>	253 A
<ul><li>position 8</li><li>for inside-delta circuit at rotary coding switch on switch</li></ul>	267 A
<ul> <li>position 9</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	281 A
<ul> <li>position 10</li> <li>for inside-delta circuit at rotary coding switch on switch position 11</li> </ul>	294 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> </ul>	308 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> </ul>	322 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	336 A
• for inside-delta circuit at rotary coding switch on switch position 15	350 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> <li>a st inside delta circuit minimum</li> </ul>	364 A
at inside-delta circuit minimum	156 A
minimum load [%] power loss [W] for rated value of the current at AC	15 %; Relative to smallest settable le

	75.14			
• at 40 °C after startup	75 W			
• at 50 °C after startup	68 W			
at 60 °C after startup	63 W			
power loss [W] at AC at current limitation 350 %				
<ul> <li>at 40 °C during startup</li> </ul>	3 562 W			
<ul> <li>at 50 °C during startup</li> </ul>	2 979 W			
<ul> <li>at 60 °C during startup</li> </ul>	2 617 W			
Control circuit/ Control				
type of voltage of the control supply voltage	AC			
control supply voltage at AC				
• at 50 Hz	110 250 V			
• at 60 Hz	110 250 V			
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %			
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %			
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %			
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %			
control supply voltage frequency	50 60 Hz			
relative negative tolerance of the control supply voltage frequency	-10 %			
relative positive tolerance of the control supply voltage frequency	10 %			
control supply current in standby mode rated value	30 mA			
holding current in bypass operation rated value	100 mA			
inrush current by closing the bypass contacts maximum	2.2 A			
inrush current peak at application of control supply voltage maximum	12.2 A			
duration of inrush current peak at application of control supply voltage	2.2 ms			
design of the overvaltage protection	Varistor			
design of the overvoltage protection	Valistor			
design of the overvoltage protection 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			
	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			
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			
design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs	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			
design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs number of digital outputs	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 1			
design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs o not parameterizable	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			
design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version	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			
design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version number of analog outputs	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			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs	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			
design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version number of analog outputs	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			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value	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 1 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A			
design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value	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 1 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions	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 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position	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 1 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position	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 1 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position	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 1 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width	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 1 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth	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 1 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting	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 1 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards	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 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards	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 1 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards	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 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 10 mm 0 mm 100 mm			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         oforwards         odownwards         odownwards         odownwards         odownwards         odownwards	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 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging	<ul> <li>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</li> <li>1</li> <li>3</li> <li>2</li> <li>2 normally-open contacts (NO) / 1 changeover contact (CO)</li> <li>0</li> <li>3 A</li> <li>1 A</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back</li> <li>screw fixing</li> <li>393 mm</li> <li>210 mm</li> <li>203 mm</li> <li>10 mm</li> <li>0 mm</li> <li>10 mm</li> <li>5 mm</li> </ul>			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging         Connections/ Terminals	<ul> <li>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</li> <li>1</li> <li>3</li> <li>2</li> <li>2 normally-open contacts (NO) / 1 changeover contact (CO)</li> <li>0</li> <li>3 A</li> <li>1 A</li> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back</li> <li>screw fixing</li> <li>393 mm</li> <li>210 mm</li> <li>203 mm</li> <li>10 mm</li> <li>0 mm</li> <li>10 mm</li> <li>5 mm</li> </ul>			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection	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 1 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 5 mm 9.9 kg			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • upwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection         • for main current 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 1 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 9.9 kg			
design of short-circuit protection for control circuit         Inputs/ Outputs         number of digital inputs         number of digital outputs         • not parameterizable         digital output version         number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg			

wire length for thermistor connection				
<ul> <li>with conductor cross-section = 0.5 mm<sup>2</sup> maximum</li> </ul>	50 m			
<ul> <li>with conductor cross-section = 1.5 mm<sup>2</sup> maximum</li> </ul>	150 m			
<ul> <li>with conductor cross-section = 2.5 mm<sup>2</sup> maximum</li> </ul>	250 m			
type of connectable conductor cross-sections				
<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	2x (50 240 mm²)			
<ul> <li>for DIN cable lug for main contacts finely stranded</li> </ul>	2x (70 240 mm²)			
type of connectable conductor cross-sections				
<ul> <li>for control circuit solid</li> </ul>	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)			
<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	1x (0.5 2.5 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )			
<ul> <li>for AWG cables for control circuit solid</li> </ul>	1x (20 12), 2x (20 14)			
wire length				
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m			
<ul> <li>at the digital inputs at AC maximum</li> </ul>	100 m			
tightening torque				
<ul> <li>for main contacts with screw-type terminals</li> </ul>	14 24 N·m			
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	0.8 1.2 N·m			
terminals				
tightening torque [lbf·in]				
• for main contacts with screw-type terminals	124 210 lbf-in			
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	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			
<ul> <li>during storage and transport</li> </ul>	-40 +80 °C			
environmental category				
<ul> <li>during operation according to IEC 60721</li> </ul>	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2			
	(sand must not get into the devices), 3M6			
<ul> <li>during storage according to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get			
a during transport according to IEC 60721	inside the devices), 1M4			
during transport according to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
Environmental footprint	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
Environmental footprint Siemens Eco Profile (SEP)	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication / Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes			
Environmental footprint Siemens Eco Profile (SEP) 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	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes			
Environmental footprint Siemens Eco Profile (SEP) 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	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • 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	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • 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 — 60/480 V according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA			
Environmental footprint Siemens Eco Profile (SEP) 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 — 60/480 V according to UL — at 460/480 V at inside-delta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA			
Environmental footprint Siemens Eco Profile (SEP) 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 — 60/480 V at inside-delta circuit according to UL — 60/480 V at inside-delta circuit according to UL — at 575/600 V according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA			
Environmental footprint Siemens Eco Profile (SEP) EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • 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 — at 460/480 V at inside-delta circuit according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA			
Environmental footprint Siemens Eco Profile (SEP) 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 — 60/480 V at inside-delta circuit according to UL — 60/480 V at inside-delta circuit according to UL — at 575/600 V according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA			
Environmental footprint Siemens Eco Profile (SEP) 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 — at 460/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA			
Environmental footprint Siemens Eco Profile (SEP) 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 — 60/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit 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	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA			
Environmental footprint Siemens Eco Profile (SEP) 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 — 60/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit 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	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes			
Environmental footprint Siemens Eco Profile (SEP) 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 — 60/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V according to UL — at 575/600 V according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit 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 to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) Siemens EcoTech acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes			

• at 220/230 V at 50	0 °C rated value		60 hp			
• at 460/480 V at 50	0 °C rated value		150 hp			
• at 200/208 V at in	side-delta circuit at 50 °	°C rated value	100 hp			
• at 220/230 V at inside-delta circuit at 50 °C rated value 125 hp						
• at 460/480 V at inside-delta circuit at 50 °C rated value 250 hp						
contact rating of auxili	arv contacts accordin	a to UL	R300-B300			
Electrical Safety		5.000				
	the front according to	IEC 60529	IP00; IP20 with cover			
				tical contact from the front with cover		
Approvals Certificates						
General Product Appr	ovai					
	CE EG-Konf.	UK CA		)		
General Product Approval	EMV		Test Certifica	tes Marine / Shipping	g	
EHC	RCM	<u>KC</u>	<u>Type Test Co</u> ates/Test Ro		BUREAU VERITAS	
Marine / Shipping		other	Environment			
Lloyd's Register uts	PRS	<u>Confirmation</u>	Siemens EcoTech	EPD	Environmental Con- firmations	
Further information						
Information on the pace https://support.industry.s/ Information- and Down https://www.siemens.com Industry Mall (Online of https://mall.industry.siem Cax online generator http://support.automation Service&Support (Man https://support.industry.s/ Image database (produ http://www.automation.s/ Characteristic: Trippin https://support.industry.s/ Characteristic: Installa	siemens.com/cs/ww/en/ hloadcenter (Catalogs, <u>m/ic10</u> ordering system) hens.com/mall/en/en/Ca n.siemens.com/WW/CA uals, Certificates, Cha siemens.com/cs/ww/en/ uct images, 2D dimens iemens.com/bilddb/cax g characteristics, I²t, L siemens.com/cs/ww/en/	Brochures,) atalog/product?mlfb= Xorder/default.aspx/ aracteristics, FAQs, ps/3RW5243-6TC14 sion drawings, 3D n _de.aspx?mlfb=3RW _et-through current	?lang=en&mlfb=3RW52 ) nodels, device circuit /5243-6TC14⟨=en	2 <u>43-6TC14</u> diagrams, EPLAN macros, .	)	





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