## SIEMENS

## Data sheet

## 3RW5236-6AC14



SIRIUS soft starter 200-480 V 171 A, 110-250 V AC Screw terminals Analog output

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
<ul> <li>of standard HMI module usable</li> </ul>	<u>3RW5980-0HS00</u>
<ul> <li>of high feature HMI module usable</li> </ul>	<u>3RW5980-0HF00</u>
<ul> <li>of communication module PROFINET standard usable</li> </ul>	<u>3RW5980-0CS00</u>
<ul> <li>of communication module PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>
<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>
<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>
<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 30 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 30 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3365-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3365-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE1230-0; Type of coordination 2, Iq = 65 kA</u>
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE3335; Type of coordination 2, Iq = 65 kA</u>
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	

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	

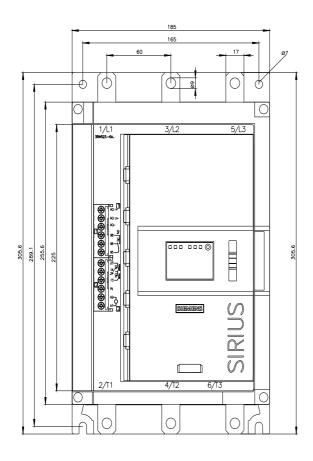
for control circuit     insultation voitage rated value     600 V     insultation voitage rated value     600 V     imputes voitage rated value     account of the second of the se	tor main current circuit				
insulation voltage rated value         600 V           degree of pollution         3, acc. to IEC 60947-4-2           impulse voltage rated value         6 kV           blocking voltage of the thyristor maximum         1 400 V           surge voltage restance rated value         6 kV           maximum permissible voltage for protective separation         6 kV           • between main and auxiliary circuit         600 V           shock resistance         15 g/ 11 ms, from 12 g / 11 ms with potential contact lifting           utilization category according to IEC 6047-4-2         AC 53a           reference code according to IEC 60474-2.2         C 3           substance Prohibitance (Date)         02/15/2018           SVHC substance name         Lead *7439-92-1           Lead monoxide (lead outping) = 1317.98.8         Lead *7439-92-1           inamp-up (soft starting)         Yes           * ramp-up (soft starting)         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • output pramp down         Yes           • intrinsic device protection         No           • inside delta circuit         Yes           • adjustable current limitation         Yes           • eremote reset         Yes <th>for main current circuit     for control circuit</th> <th>100 ms</th>	for main current circuit     for control circuit	100 ms			
degree of pollution         3, acc. to IEC 60947-4-2           impulse voltage rated value         6 kV           blocking voltage of the thyristor maximum         1400 V           service factor         1           surge voltage resistance rated value         6 kV           • between main and auxiliary circuit         600 V           shock resistance         15 g / 11 ms, ifom 12 g / 11 ms with potential contact lifting           uitzation category according to IEC 60947-4-2         AC S3a           reference code according to IEC 60947-4-2         QC           Substance Prohibitance (Date)         20/15/2018           SVHC substance name         Lead -7439-92-1           ead annoxide (lead oxide) - 1317-36-8         2           product function         Yes           eiamp-up (soft starting)         Yes           eiamp-up (soft starting)         Yes           eiamp-down (soft stop)         Yes           eiadjustable current limitation         Yes           eiadjustable current limitation         Yes           eintinsic device protection         Yes           eiadiustable current limitation         Yes           eiadiustable current limitation         Yes           eiadiustable current limitation         Yes           eintimised redu					
Impulse voltage rated value         6 kV           blocking voltage of the tryinitor maximum         1 400 V           surge voltage resistance rated value         6 kV           maximum permissibile voltage for protective separation         6 kV           - elevelem main and auxilary circuit         6 60 V           shock resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           uitization category according to IEC 61345-2         Q           Substance Prohibitance (Date)         02/15/2018           Strept voltage for starting)         (ead 7439-92-1           ead rate voltage for protective separation         22/15/2018           Strept voltage for starting)         22/15/2018           product function         Yes           e ramp-down (soft starting)         Yes           e ramp-down (soft starting)         Yes           e of starting)         Yes           e of of starting)         Yes           e of or or overload protection         Yes           e notor overload protection         Yes           e					
blocking voltage of the thyristor maximum         1 400 V           service factor         1           service factor         6 kV           maximum permissible voltage for protective separation         6 00 V           • between main and auxiliary circuit         600 V           stock resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           utilization category according to IEC 60047-4-2         AC 53a           reference code according to IEC 61946-2         Q           Substance Prohibitance (Dato)         02/15/2018           Substance Prohibitance (Dato)         02/15/2018           substance Prohibitance (Dato)         02/15/2018           substance Prohibitance (Dato)         02/15/2018           product function         Lead monxolde (lead oxide) - 1317-36-8           * ramp-up (soft starting)         Yes           • ramp-up (soft starting)         Yes           • farm down (sot stop)         Yes           • adjustable current limitation         Yes           • function device protection         Yes           • function device protection         Yes           • farm down (sot starting)         Yes           • farm down (sot starting)         Yes           • farotor overload protection         Yes      <	· · ·				
service factor         1           surge voltage resistance rated value         6 kV           maximum permissible voltage for protective separation         600 V           • between main and auxiliary circuit         600 V           shock resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           uitization category according to IEC 60947-4-2         AC 53a           zeference code according to IEC 81346-2         Q           SUbtance Prohibitance (Date)         02/15/2018           SVHC substance name         Lead -7439-92-1           is amp-up (soft starting)         2/2/2/2018           e amp-up (soft starting)         Yes           • amp-up down (soft stop)         Yes           • soft Torque         Yes           • adjustable current limitation         Yes           • adj					
surge voltage resistance rated value         6 kV           maximum permissible voltage for protective separation         600 V           shock resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           utilization category according to IEC 60947-4.2         AC 53a           reference code according to IEC 61948-2         Q           Substance Prohibitance (Date)         02/15/2018           SVHC substance name         Lead -7439-92.1           Lead monxibit (lead xolde) - 1317-36-8         2-methyl-1-(4-methylifthippherph/2-2-morpholiporpoan-1-one - 71868-10-5           product function         Yes           • amp-day (soft stating)         Yes           • amp-day (soft stating)         Yes           • adjustable current limitation         Yes           • ad					
maximum permissible voltage for protective separation         600 V           ebekween main and auxiliary circuit         600 V           shock resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           utilization category according to IEC 60947-4-2         AC 53a           reference code according to IEC 81346-2         Q           Substance Prohibitance (Date)         02/15/2018           SVK substance name         Lead -7439-92-1           acad monoxide (tead oxide) - 1317-36-8         2           product function         Yes           * ramp-up (soft starting)         Yes           * amp-down (soft stop)         Yes           * oft orque         Yes           * adjustable current limitation         Yes           * ontor overload protection         Yes           * ontor overload protection         Yes           * ontor overload protection         Yes           * enotor reset         Yes           * enotor reset         Yes           * ontor overload protection         Yes           * stard-RESET         Yes           * enotor reset         Yes           * ontor overload protection         Yes           * ontor overload protection         Yes           * ontor ver					
between main and auxiliary circuit     book vesistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting         withication category according to IEC 60947-4.2     A C 53a     reference code according to IEC 81346-2     G     Substance Prohibitance (Date)     20/15/2018 SVHC substance name     Lead -739.8.2.1     Lead -739.8.2     Toroyue     romp-up (soft starting)     Yes     'amp-down (soft stop)     Yes     'adjustable current limitation     Yes     'adjustable current limitation     Yes     'adjustable drive protection     Yes     'motor overload protection     Yes     'motor overload protection     Yes     'motor overload protection     Yes     'motor overload protection     Yes     'monunication function     'sia offware parameterizable     Yes     'emotic reset     'emotic reset     'emotic reset     'emotic reset     'eron logbook     Yes     'more profused value display     Yes     'eronologbook     'via software parameterizable     No     'via software parameterizable     Yes     'eronvable terminal for control circuit     Yes     'eronvable terminal for control circu		0 KV			
shock resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           utilization category according to IEC 60947-4-2         AC 53a           reference code according to IEC 81346-2         Q           Substance Prohibitance (Dato)         02/15/2018           SVHC substance name         Lead - 7439-92-1           Lead - 7439-92-1         Lead - 7439-92-1           Lead - ranzhyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5           Dibutylbic/pentare-2.4 cload-od-O, O'ylin - 22673-19-4           N. Nimethylacetamide - 127-19-5           product function           • ramp-up (soft starting)         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • pump ramp down         Yes           • motor overload protection         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • pump ramp down         Yes           • atulo-RESET         Yes           • atulo-RESET         Yes           • anoual RESET         Yes           • communication function         Yes           • operating measured value display         Yes; Only in conjunction with special accessories <tr< td=""><td></td><td>222.1/</td></tr<>		222.1/			
utilization category according to IEC 60947-4-2       AC 53a         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       02/15/2018         SVHC substance name       Lead -7439-92-1         Lead monoxide (lead oxide) - 1317-36-8       2-methyl-1(-4-methylhiophenyl)-2-morpholinopropan-1-one - 71868-10-5         Dibuty(bis(pentame-2,4-dionato-0,07)(in - 22673-19-4       N.N.dimethylacetamide - 127-19-5         product function       Yes         • ramp-up (soft starting)       Yes         • ramp-down (soft stop)       Yes         • soft Torque       Yes         • adjustable current limitation       Yes         • pump ramp down       Yes         • initinis device protection       Yes         • motor overload protection       Yes         • auto-RESET       Yes         • auto-RESET       Yes         • remote reset       Yes; By turning off the control supply voltage         • communication function       Yes         • vis software parameterizable       No         • vis software promised where display       Yes; Only in conjunction with special accessories         • removable terminal for control circuit       Yes         • removable terminal for control circuit       Yes         • removable t	• • • • • • • • • • • • • • • • • • •				
reference code according to IEC 81346-2     Q       Substance Prohibitance (Date)     02/15/2018       SVHC substance name     Lead -7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1(4-methyltinophenyl)-2-morpholmopropan-1-one - 71868-10-5 DbUtylispentane-2-4/ionato-O.O')(in -22673-19-4       product function     Yes       • ramp-up (soft starting)     Yes       • adjustable current limitation     Yes       • adjustable current limitation     Yes       • unp ramp down     Yes       • initinisic device protection     Yes       • motor overload protection     Yes       • motor overload protection     Yes       • initiation function     Yes       • motor overload protection     Yes       • adjustable current limitation     Yes       • motor overload protection     Yes       • motor overload protection     Yes       • motor overload protection     Yes       • auto-RESET     Yes       • andre reset     Yes; Dily in conjunction with special accessories       • operating measured value display     Yes; Only in conjunction with special accessories       • via software parameterizable     No       • via software parameterizable     No       • via software configurable     Yes       • removable terminal for control circuit     Yes       • removable terminal for con					
Substance Prohibitance (Date)         02/15/2018           SVHC substance name         Lead '7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 methyl-1(4-methylthiophenyl)2a673-19-4 N.N-dimethylacetamide - 127-19-5           product function         *           • ramp-up (soft starting)         Yes           • ramp-down (soft stop)         Yes           • soft Torque         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • initrinsic device protection         Yes           • motor overload protection         Yes           • motor overload protection         Yes           • adjustable current limitation         Yes           • motor overload protection         Yes           • and-RESET         Yes           • and-RESET         Yes           • and reset         Yes; Durning off the control supply voltage           • communication function         Yes           • and prophonk         Yes; Only in conjunction with special accessories           • analog output         Yes; Non in conjunction with special accessories           • is software configurable         Yes           • removable terminal for control circuit         Yes					
SVHC substance name       Lead - 7439-92-1         Lead monoxide (lead oxide) - 1317-36-8         2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5         product function         * ramp-up (soft starting)         * ramp-dwn (soft storp)         * es         • soft forque         • adjustable current limitation         * yes         • pump ramp down         • rand-oxide vice protection         * restleation of thermistor motor protection         • rand-RESET         • rand RESET         • rand RESET         • remote reset         • communication function         • inside-deta circuit         • adjustable vice protection         • ses         • remote reset         • communication function         • ses         • remote reset         • comfunction function         • via software configurable         • via software configurable         • via software configurable         • removable terminal for control circuit					
Lead monoxide (lead oxide) - 1317-36-8           Preduct function           ramp-up (soft starting)           * ramp-up (soft starting)           Yes           • ramp-down (soft stop)           * soft Torque           • soft Torque           • adjustable current limitation           * yes           • adjustable current limitation           * ves           • intrinsic device protection           * ves           • notor overload protection           • ves           • adjustable current limitation           * ves           • notor overload protection           • ves/usion of thermistor motor protection           • notor overload protection           • auto-RESET           * remote reset           • communication function           * ves           • operating measured value display           * ves           • via software parameterizable           • via software parameterizable           • via software configurable           * ves, in connection with the PROFINET Standard communication module           • firmware update           • removable terminal for control circuit           * ves         ves           • tado °C					
• ramp-up (soft starting)Yes• ramp-down (soft stop)Yes• Soft TorqueYes• adjustable current limitationYes• adjustable current limitationYes• pump ramp downYes• intrinsic device protectionYes; Electronic motor overload protection• evaluation of thermistor motor protectionNo• inside-delta circuitYes• auto-RESETYes• manual RESETYes; During off the control supply voltage• communication functionYes; Only in conjunction with special accessories• evaluation of threm istableYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes• removable terminal for control circuitYes• removable terminal for control circuitYes• torque controlNo• analog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H• at 40 °C rated value153 A• at 60 °C rated value141 A	VHC Substance name	Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4			
• ramp-down (soft stop)       Yes         • Soft Torque       Yes         • adjustable current limitation       Yes         • pump ramp down       Yes         • intrinsic device protection       Yes; Electronic motor overload protection         • motor overload protection       Yes; Electronic motor overload protection         • evaluation of thermistor motor protection       No         • inside-delta circuit       Yes         • auto-RESET       Yes         • monumication function       Yes; By turning off the control supply voltage         • communication function       Yes; Only in conjunction with special accessories         • via software parameterizable       No         • via software configurable       Yes         • removable terminal for control circuit       Yes         • torque control       No         • analog output       Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H         • over Electronics       Torque         • at 40 °C rated value       153 A         • at 60 °C rated value       141 A	product function				
Soft TorqueYesadjustable current limitationYesadjustable current limitationYespump ramp downYesintrinsic device protectionYesmotor overload protectionYes; Electronic motor overload protectionevaluation of thermistor motor protectionNoinside-delta circuitYesauto-RESETYesremote resetYes; By turning off the control supply voltagecommunication functionYes; Only in conjunction with special accessoriesoperating measured value displayYes; Only in conjunction with special accessoriesvia software parameterizableNovia software configurableYesremovable terminal for control circuitYesorgenational duringYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HPower Electronics171 Aat 40 °C rated value153 Aat 60 °C rated value141 A	<ul> <li>ramp-up (soft starting)</li> </ul>	Yes			
• adjustable current limitationYes• pump ramp downYes• intrinsic device protectionYes• motor overload protectionYes; Electronic motor overload protection• evaluation of thermistor motor protectionNo• inside-delta circuitYes• auto-RESETYes• monul RESETYes• remote resetYes; By turning off the control supply voltage• communication functionYes• operating measured value displayYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes• removable terminal for control circuitYes• torque controlNo• analog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H• operatinal current171 A• at 40 °C rated value153 A• at 60 °C rated value141 A	<ul> <li>ramp-down (soft stop)</li> </ul>	Yes			
pump ramp down       Yes         intrinsic device protection       Yes; Electronic motor overload protection         evaluation of thermistor motor protection       No         inside-delta circuit       Yes         auto-RESET       Yes         manual RESET       Yes; By turning off the control supply voltage         communication function       Yes; Only in conjunction with special accessories         operating measured value display       Yes; Only in conjunction with special accessories         via software parameterizable       No         via software configurable       Yes         eremovable terminal for control circuit       Yes         orque control       No         ves; in connection with the PROFINET Standard communication module         effirmware update       Yes         orque control       No         vower Electronics       Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H         vower Electronics       T1 A         eat 40 °C rated value       171 A         eat 60 °C rated value       153 A         eat 60 °C rated value       141 A	Soft Torque	Yes			
intrinsic device protection       Yes         intrinsic device protection       Yes; Electronic motor overload protection         evaluation of thermistor motor protection       No         inside-delta circuit       Yes         auto-RESET       Yes         manual 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;         error logbook       Yes; in connection with the PROFINET Standard communication module         effirmware update       Yes         orque control       No         eatalog output       Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H         vower Electronics       171 A         eat 40 °C rated value       173 A         eat 60 °C rated value       141 A	<ul> <li>adjustable current limitation</li> </ul>	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; 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         • removable terminal for control circuit       Yes         • torque control       No         • analog output       Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H	• pump ramp down	Yes			
evaluation of hermistor motor protectionNoinside-delta circuitYesauto-RESETYesmanual RESETYes; By turning off the control supply voltagecommunication functionYes; By turning off the control supply voltagecommunication functionYes; Only in conjunction with special accessorieserror logbookYes; Only in conjunction with special accessoriesevia software parameterizableNovia software configurableYes; no connection with the PROFINET Standard communication modulefirmware updateYes; an connection with the PROFINET Standard communication moduleforque controlNoanalog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature Hcoperational current171 Aat 40 °C rated value171 Aat 60 °C rated value153 Aat 60 °C rated value141 A	<ul> <li>intrinsic device protection</li> </ul>	Yes			
• inside-delta circuitYes• auto-RESETYes• 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• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H• cover ElectronicsIT1 A• at 40 °C rated value153 A• at 60 °C rated value141 A	<ul> <li>motor overload protection</li> </ul>	Yes; Electronic motor overload protection			
auto-RESETYesmanual RESETYesmanual RESETYes; By turning off the control supply voltageremote resetYes; Colly in conjunction with special accessoriesoperating measured value displayYes; Only in conjunction with special accessorieserror logbookYes; Only in conjunction with special accessoriesvia software parameterizableNovia software configurableYes; in connection with the PROFINET Standard communication moduleeffirmware updateYes; in connection with the PROFINET Standard communication moduleetorque controlNoanalog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HPower Electronics111 Aet at 0 °C rated value153 Aet at 60 °C rated value141 A	<ul> <li>evaluation of thermistor motor protection</li> </ul>	No			
• 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• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes; in connection with the PROFINET Standard communication module• firmware updateYes; in connection with the PROFINET Standard communication module• forque controlYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H• cover ElectronicsYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H• arabog output171 A• at 40 °C rated value153 A• at 60 °C rated value141 A	inside-delta circuit	Yes			
• 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; in connection with the PROFINET Standard communication module• firmware updateYes; in connection with the PROFINET Standard communication module• firmware updateYes; in connection with the PROFINET Standard communication module• torque controlYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H• over Electronics171 A• at 40 °C rated value153 A• at 60 °C rated value141 A	auto-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 parameterizable       No         • via software configurable       Yes;         • PROFlenergy       Yes; in connection with the PROFINET Standard communication module         • firmware update       Yes         • torque control       Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H         • over Electronics       171 A         • at 40 °C rated value       153 A         • at 60 °C rated value       141 A	manual RESET	Yes			
<ul> <li>operating measured value display</li> <li>operating measured value display</li> <li>error logbook</li> <li>via software parameterizable</li> <li>via software configurable</li> <li>via software configurable</li> <li>PROFlenergy</li> <li>firmware update</li> <li>removable terminal for control circuit</li> <li>torque control</li> <li>analog output</li> <li>Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H</li> <li>Power Electronics</li> <li>operational current         <ul> <li>at 40 °C rated value</li> <li>153 A</li> <li>at 60 °C rated value</li> <li>141 A</li> </ul> </li> </ul>	remote reset	Yes; By turning off the control supply voltage			
• 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 H         Power Electronics       Operational current         • at 40 °C rated value       171 A         • at 50 °C rated value       153 A         • at 60 °C rated value       141 A	<ul> <li>communication function</li> </ul>	Yes			
• 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 H         Power Electronics       Operational current         • at 40 °C rated value       171 A         • at 50 °C rated value       153 A         • at 60 °C rated value       141 A	<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 controlYes• torque controlNo• analog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H• operational current171 A• at 40 °C rated value153 A• at 60 °C rated value141 A	error logbook	Yes; Only in conjunction with special accessories			
PROFlenergy Yes; in connection with the PROFINET Standard communication module     firmware update Yes     removable terminal for control circuit Yes     torque control     analog output Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H     Power Electronics      operational current         at 40 °C rated value         at 50 °C rated value         at 50 °C rated value         at 60 °C rated value	<ul> <li>via software parameterizable</li> </ul>	No			
• 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 H         • ower Electronics       Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H         • ower Electronics       Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H         • at 40 °C rated value       171 A         • at 40 °C rated value       153 A         • at 60 °C rated value       141 A	<ul> <li>via software configurable</li> </ul>	Yes			
removable terminal for control circuit     Yes     torque control     analog output     Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H     Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H     Yes     operational current         eat 40 °C rated value         171 A         153 A         eat 60 °C rated value         141 A	PROFlenergy	Yes; in connection with the PROFINET Standard communication module			
<ul> <li>torque control</li> <li>analog output</li> <li>Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature H</li> <li>Power Electronics</li> <li>operational current         <ul> <li>at 40 °C rated value</li> <li>171 A</li> <li>153 A</li> <li>at 60 °C rated value</li> <li>141 A</li> </ul> </li> </ul>	firmware update	Yes			
	<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       153 A       • at 60 °C rated value	torque control	No			
operational current• at 40 °C rated value• at 50 °C rated value• at 60 °C rated value141 A	analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)			
• at 40 °C rated value171 A• at 50 °C rated value153 A• at 60 °C rated value141 A	wer Electronics				
at 50 °C rated value     153 A     141 A	operational current				
• at 60 °C rated value 141 A					
anarational autrent at incide data aircuit		141 A			
	operational current at inside-delta circuit				
• at 40 °C rated value 296 A					
• at 50 °C rated value 265 A					
• at 60 °C rated value 244 A		244 A			
operating voltage					
• rated value 200 480 V					
at inside-delta circuit rated value     200 480 V					
relative negative tolerance of the operating voltage -15 %					
relative positive tolerance of the operating voltage 10 %					
relative negative tolerance of the operating voltage at inside-delta circuit	nside-delta circuit				
relative positive tolerance of the operating voltage at inside-delta circuit	nside-delta circuit	IU 70			
• at 230 V at 40 °C rated value     45 kW		45 kW			

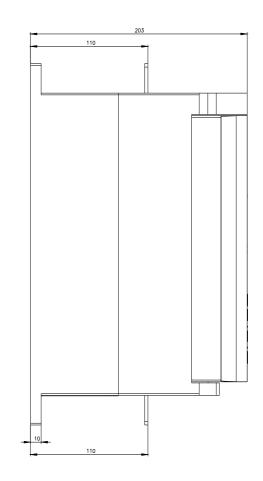
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	90 kW
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	90 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	160 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative 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	81 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	87 A
<ul> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> </ul>	93 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	99 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	105 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	111 A
<ul> <li>at rotary coding switch on switch position of</li> <li>at rotary coding switch on switch position 7</li> </ul>	117 A
<ul> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 8</li> </ul>	123 A
<ul> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 9</li> </ul>	129 A
<ul> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> </ul>	135 A
at rotary coding switch on switch position 10     at rotary coding switch on switch position 11	141 A
at rotary coding switch on switch position 11     at rotary coding switch on switch position 12	141 A 147 A
at rotary coding switch on switch position 12     at rotary coding switch on switch position 13	147 A 153 A
<ul> <li>at rotary coding switch on switch position 13</li> <li>at rotary coding switch on switch position 14</li> </ul>	155 A 159 A
<ul> <li>at rotary coding switch on switch position 14</li> <li>at rotary coding switch on switch position 15</li> </ul>	165 A
<ul> <li>at rotary coding switch on switch position 16</li> <li>at rotary coding switch on switch position 16</li> </ul>	171 A
minimum	81 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	140 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	151 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	161 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	171 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	182 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	192 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	203 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	213 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 9</li> </ul>	223 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 10</li> </ul>	234 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 11</li> </ul>	244 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> </ul>	255 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> </ul>	265 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	275 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> </ul>	286 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> </ul>	296 A
• at inside-delta circuit minimum	140 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	63 W
• at 50 °C after startup	58 W
• at 60 °C after startup	54 W
power loss [W] at AC at current limitation 350 %	
● at 40 °C during startup	2 405 W

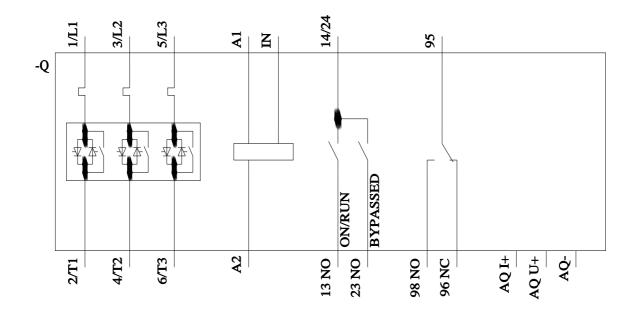
at 50 °C during the t	0.007.14			
at 50 °C during startup	2 037 W			
• at 60 °C during startup	1 826 W			
Control circuit/ Control				
type of voltage of the control supply voltage	AC			
control supply voltage at AC				
• at 50 Hz	110 250 V			
• at 60 Hz	110 250 V			
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %			
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %			
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %			
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %			
control supply voltage frequency	50 60 Hz			
relative negative tolerance of the control supply voltage frequency	-10 %			
relative positive tolerance of the control supply voltage frequency	10 %			
control supply current in standby mode rated value	30 mA			
holding current in bypass operation rated value	75 mA			
inrush current by closing the bypass contacts maximum	2.5 A			
inrush current peak at application of control supply voltage maximum	12.2 A			
duration of inrush current peak at application of control supply voltage	2.2 ms			
design of the overvoltage protection	Varistor			
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply			
Inputs/ Outputs	scope of suppry			
number of digital inputs	1			
number of digital nuputs	3			
not parameterizable	2			
•	2 normally-open contacts (NO) / 1 changeover contact (CO)			
CIGURAL OUTDUIT VERSION				
digital output version				
number of analog outputs	1			
number of analog outputs switching capacity current of the relay outputs	1			
number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value	1 3 A			
number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value	1			
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	1 3 A 1 A			
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	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back			
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	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing			
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	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm			
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm			
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	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm			
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm			
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm			
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm			
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	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm			
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • downwards	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm			
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	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 10 mm 100 mm 75 mm 5 mm			
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	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm			
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         • at the side         weight without packaging         Connections/ Terminals	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 10 mm 100 mm 75 mm 5 mm			
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	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg			
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         • for main current circuit	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg busbar connection			
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         • for control circuit	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 10 mm 75 mm 5 mm 7.15 kg busbar connection screw-type terminals			
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         • for control circuit         • for control circuit	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg busbar connection			
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         • for control circuit         width of connection bar maximum         type of connectable conductor cross-sections	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg busbar connection screw-type terminals 25 mm			
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         • for control circuit         width of connectable conductor cross-sections         • for DIN cable lug for main contacts stranded	1         3 A         1 A         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         screw fixing         306 mm         185 mm         203 mm         10 mm         0 mm         100 mm         75 mm         5 mm         7.15 kg         busbar connection         screw-type terminals         25 mm         2x (16 95 mm²)			
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         • for control circuit         width of connectable conductor cross-sections         • for DIN cable lug for main contacts stranded         • for DIN cable lug for main contacts finely stranded	1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 10 mm 75 mm 5 mm 7.15 kg busbar connection screw-type terminals 25 mm			
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • downwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection         • for control circuit         width of connectable conductor cross-sections         • for DIN cable lug for main contacts stranded	1         3 A         1 A         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         screw fixing         306 mm         185 mm         203 mm         10 mm         0 mm         100 mm         75 mm         5 mm         7.15 kg         busbar connection         screw-type terminals         25 mm         2x (16 95 mm²)			

<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
<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>	10 14 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	89 124 lbf·in
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	7 10.3 lbf·in
Ambient conditions	
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	·····
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
during storage and transport	-40 +80 °C
environmental category	
during operation according to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2
	(sand must not get into the devices), 3M6
<ul> <li>during storage according to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get
	inside the devices), 1M4
during transport according to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
Environmental footprint	
Siemens Eco Profile (SEP)	Siemens EcoTech
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
PROFINET standard	Yes
EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
• PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
of circuit breaker usable for Standard Faults	
- at 460/480 V according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
— 60/480 V according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
— at 460/480 V at inside-delta circuit according to UL	Siemens type: $3VA52$ , max. $250$ A; Iq = $10$ kA
— 60/480 V at inside-delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
— at 575/600 V according to UL	Siemens type: $3VA52$ , max. 250 A; Iq = 10 kA
— at 575/600 V at inside-delta circuit according to UL	Siemens type: 3VA52, max. 250 A; lq = 10 kA
of the fuse	
<ul> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 400 A; lq = 10 kA
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 350 A; Iq = 100 kA
<ul> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 400 A; lq = 10 kA
<ul> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 350 A; lq = 100 kA
operating power [hp] for 3-phase motors	
• at 200/208 V at 50 °C rated value	50 hp
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	50 hp
<ul> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul>	50 hp 100 hp
• at 460/480 V at 50 °C rated value	100 hp
<ul> <li>at 460/480 V at 50 °C rated value</li> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	100 hp 75 hp
<ul> <li>at 460/480 V at 50 °C rated value</li> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>	100 hp 75 hp 100 hp
<ul> <li>at 460/480 V at 50 °C rated value</li> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	100 hp 75 hp 100 hp 200 hp
<ul> <li>at 460/480 V at 50 °C rated value</li> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> <li>contact rating of auxiliary contacts according to UL</li> </ul>	100 hp 75 hp 100 hp 200 hp

Approvals Certificates					
General Product App	proval				
	C E EG-Konf.	UK CA	<u>Confirmation</u>		EHC
EMV		Test Certificates	Marine / Shipping		
RCM	KC	Type Test Certific- ates/Test Report	ABS	B U REAU VERITAS	Lloyd's Register uts
Marine / Shipping	other	Environment			
Confirmation Siemens EcoTech					
Further information					
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/catalog/product?mlfb=3RW5236-6AC14 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5236-6AC14 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RW5236-6AC14 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)					
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5236-6AC14⟨=en Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5236-6AC14/char Characteristic: Installation altitude http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5236-6AC14&objecttype=14&gridview=view1					
Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917					







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