## **SIEMENS**

## Data sheet

## 3RW5213-3AC05



SIRIUS soft starter 200-600 V 13 A, 24 V AC/DC spring-type 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>	3RV2032-4TA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3RV2032-4TA10; Type of coordination 1, Iq = 18 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3RV2032-4DA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3RV2032-4DA10; Type of coordination 1, Iq = 18 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3820-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3820-6; 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>3NE1815-0; 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>3NE8017-1; 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 %
contificate of quitability	

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				
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2				
buffering time in the event of power failure					
for main current circuit	100 ms				
for control circuit	100 ms				

degree of pollution         3, acc. to IEC 80947-4-2           impube voltage rated value         6 kV           service factor         1           surge voltage of the thyristor maximum         1 800 V           service factor         1           surge voltage of the thyristor separation         6 kV           maximum permissible voltage for protective separation         6 kV           - botkeren maih and auxiliary circuit         600 V           shock resistance         15 g / 11 ms. from 12 g / 11 ms. with potential contact lifting           vibration resistance         00 V           shock resistance         00 V           shock resistance         15 g / 11 ms. from 12 g / 11 ms. with potential contact lifting           vibration resistance         00 V           shock resistance         00 V           shock resistance         15 g / 11 ms. from 12 g / 11 ms. with potential contact lifting           vibration resistance stance         00 V           status resistance resistance resistance resistance resistance         01 S Sintance Protection           visolation of themistor motor protection         Yes           • substance Protection         Yes           • undor overload protection         Yes           • undor reset         Yes           • undout RESET	inculation valtery retained	600.1/			
Impute voltage rated value         6 kV           blocking voltage of the thyristor maximum         1 600 V           service factor         1           surge voltage resistance rated value         6 kV           where main and auxiliary etrout         600 V           shock resistance         15g / 11 ms. from 12g / 11 ms. with potential contact lifting           vibration resistance         15g / 11 ms. from 12g / 11 ms. with potential contact lifting           vibration resistance         15g / 11 ms. from 12g / 11 ms. with potential contact lifting           vibration resistance         15g / 11 ms. from 12g / 11 ms. with potential contact lifting           vibration resistance         15g / 11 ms. from 12g / 11 ms. with potential contact lifting           vibration resistance         15g / 12 ms. from 12g / 11 ms. with potential contact lifting           vibration resistance         10g / 12 ms. from 12g / 11 ms. with potential contact lifting           vibration resistance         10g / 12 ms. from 12g / 11 ms. with potential contact lifting           vibration resistance         10g / 12 ms. from 12g / 11 ms. with potential contact lifting           vibration resistance         10g / 12 ms. from 12g / 11 ms. fr		600 V 3 acc to IEC 60947.4-2			
blocking voltage of the thyristor maximum         1 600 V           service factor         1           surge voltage resistance rated value         6 kV           maximum permissible voltage for protective separation         600 V           ehetween main and auxiling vicuit         600 V           whore or according to IEC 60047.4-2         AC 53a           ofference code according to IEC 60047.4-2         AC 53a           infinitio (soft staring)         Yes           • aramp-down (soft staring)         Yes           • aramp-down (soft staring)         Yes           • auxiestor under overload protection         Yes           • under overl					
service factor         1           surge voltage resistance rate value         6 kV           maximum permissible voltage for protective separation         6 kV           • between main and auxiliary circuit         600 V           #back resistance         15 g / 11 ms, from 12 g / 11 ms, with potential contact lifting           Vibration resistance         15 g / 11 ms, from 12 g / 11 ms, with potential contact lifting           Vibration resistance         15 g / 11 ms, from 12 g / 11 ms, with potential contact lifting           Vibration resistance         15 g / 11 ms, from 12 g / 11 ms, with potential contact lifting           Vibration resistance         10 C / 15 c / 13 ms, from 12 g / 11 ms, with potential contact lifting           Vibration resistance         10 C / 15 c / 13 ms, from 12 g / 11 ms, with potential contact lifting           Vibration resistance         10 C / 15 c / 13 ms, from 12 g / 11 ms, from 12 g / 11 ms, with potential contact lifting           Vibration resistance         10 C / 15 c / 13 ms, from 12 g / 11 ms, with potential contact lifting           • ramp-up (soft stafting)         Yes           • ramp-up (soft stafting)         Yes           • soft Torque         Yes           • pump rap down         Yes           • indide delta circuit         Yes           • advecteSET         Yes           • advecteSET         Yes     <					
surge voltage resistance rated value         6 kV           maximum parmissible voltage for protective separation         600 V           • between main and audiery circuit         600 V           shock resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           Vibration resistance         15 mm to 6 Hz; 2g to 500 Hz           utilization category according to IEC 60947.4-2         AC 53a           reference code according to IEC 87345-2         Q           Substance Prohibitance (Data)         92/15/2018           product function         Yes           • ramp-down (soft stop)         Yes           • early to g / 501 starting)         Yes           • adjustable current limitation         Yes           • early to g / 501 starting)         Yes           • infinisci device protection         Yes           • ramoult protection					
maximum permissible voltage for protective separation         600 V           ebetween main and auxiliary circuit         600 V           between main and auxiliary circuit         600 V           witherace         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           Withation resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           Withation resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           Vibration resistance         00 V           Substance Prohibitance (Date)         02/15/2018           product function         Yes           • ramp-up (soft starting)         Yes           • adjustable current limitation         Yes           • pump rang down         Yes           • endor overload protection         Yes           • worldad protection         Yes           • endor overload protection         Yes           • auko-RESET         Yes           • auko-RESET         Yes           • commulation function         Yes           • error togook         Yes           • and operating measured value display         Yes           • error togook         Yes           • auko ettest         Yes           • error togook         Yes <th></th> <th colspan="3"></th>					
• between main and auxiliary circuit         600 V           shock resistance         15 g / 11 ms, km 12 g / 11 ms with potential contact lifting           Vibration resistance         15 mm to 6 Hz, 2g to 500 Hz           Vibration resistance         0           Substance Prohibitance (Date)         02/15/2018           product function         visit software           • ramp-dyn (soft string)         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • unit of the divice protection         Yes           • unitor overload protection         Yes		6 kV			
shock resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           vibration resistance         15 mm to 8 Hz. 2g to 500 Hz.           utization category according to IEC 60947.4-2         AC 53a           preference code according to IEC 61346-2         O           Substance Prohibitance (Date)         02/15/2018           product function         Yes           • ramp-up (soft starting)         Yes           • ang-up (soft starting)         Yes           • ang-up (soft starting)         Yes           • ang-up (soft starting)         Yes           • adjustable current limitation         Yes           • pump ramp down         Yes           • motor overload protection         Yes           • motor overload protection         No           • inside detta circuit         Yes           • auto-RESET         Yes           • erronte reset         Yes (not in conjunction with special accessories           • error togbook         Yes           • us oftware configurable         Yes           • us oftware control supply voltage         Yes           • accontautication function         Yes           • us oftware control circuit         Yes           • acontag cindustis         Yes		000.1/			
vibration resistance         15 mm to 6 Hz; 2g to 500 Hz           utilization category according to IEC 60947-4-2         AC 53a           Febrence code according to IEC 60146-2         Q           Substance Prohibitance (Date)         02/15/2018           product function         Yes           • ramp-bug (off starting)         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • infinite (advee protection         Yes           • auto-RESET         Yes           • auto-RESET         Yes           • auto-RESET         Yes           • communication function         Yes           • aperating measured value display         Yes (Only in conjunction with special accessories           • via software parameterizable         No	· · · · · · · · · · · · · · · · · · ·				
utilization category according to IEC 60947-4-2         AC 53a           reference code according to IEC 81346-2         Q           Substance Prohibitance (Date)         92/15/2018           product function         Yes           • ramp-up (soft starting)         Yes           • adjustable current limitation         Yes           • inside-deta current limitation         Yes           • inside-deta current         Yes           • inside-deta current         Yes           • inside-deta current         Yes           • auto-RESET         Yes           • auto-RESET         Yes           • communication function         Yes           • and parating measured value display         Yes (bruin conjunction with special accessories           • dimarue protect         Yes           • error toppook         Yes           • and output         Yes           • and so current         Yes           • analog curput         Yes					
reference code according to IEC 81346-2         Q           Substance Prohibitance (Date)         02/15/2018           product function         Yes           • ramp-up (soft stafting)         Yes           • adjustable current limitation         Yes           • andor overload protection         Yes           • availation of thermistor motor protection         No           • anadal RESET         Yes           • anadal RESET         Yes           • communication function         Yes           • aronolgook         Yes           • aronolgook         Yes           • avaisoffware parameterizable         No           • via software parameterizable         No           • via software parameterizable         No           • arolog output         Yes; in connunction with special accessories           • via software parameterizable         No           • removable terminal for control circuit<					
Substance Prohibitance (Date)         02/15/2018           product function         Yes           • ramp-down (soft stop)         Yes           • adjustable current limitation         Yes           • innide-detta circuit         Yes           • endor overload protection         No           • inside-detta circuit         Yes           • adjustable current limitation function         Yes           • anonal RESET         Yes           • remote reset         Yes           • communication function         Yes           • divis offware parameterizable         No           • via software parameterizable         No           • via software parameterizable         No           • removable terminal for control circuit         Yes           • firmware update         Yes           • forque control         No           • adiago cuptuf         Yes 420 mA (default) / 010 V (para					
product function         Yes           • ramp-up (soft starting)         Yes           • soft forque         Yes           • Soft forque         Yes           • adjustable current limitation         Yes           • infinitie device protection         Yes           • indir overload protection         Yes           • indir overload protection         No           • inside-delta circuit         Yes           • auto-RESET         Yes           • enduration of thermister motor protection         No           • inside-delta circuit         Yes           • auto-RESET         Yes           • enduration function         Yes           • communication function         Yes           • operating measured value display         Yes. Only in conjunction with special accessories           • avia software parameterizable         No           • via software parameterizable         No           • via software parameterizable         No           • forque control         No           • removable terminal for control circuit         Yes           • forque control         No           • analog output         Yes           • analog output         Yes           • analog output					
• ramp-up (soft starting)Yes• ramp-down (soft stop)Yes• Soft TorqueYes• adjustable current limitationYes• unity ramp downYes• initritionis device protectionYes• motor overload protectionYes• evaluation of thermistor motor protectionNo• raintable dela circuitYes• auto-RESETYes• manual RESETYes• manual RESETYes• manual RESETYes• remote resetYes• operating measured value displayYes• operating measured value displayYes• is soft-ware parameterizableNo• via software configurableYes• remor lopokYes• remor lopokYes• torque controlNo• atalso quateYes• torque controlYes• torque control drugtYes• torque control drugtNo• atalso quate13 A• atalso "C rated value13 A• at 40 "C rated value13 A• at 40 "C rated value25 A• at 40 "C rated value18 A• at 40 "C rated value21 A• at 40 "C rated value21 A• at 40 "C rated value21 A• at 60 "C rated value18 A• at 60 "C rated value21 A• at 60 "C rated value20 600 V• at 60 "C rated value20 600 V• at 60 "C rated value20 600 V• at 60 "C rated value20		02/15/2018			
• ramp-down (soft stop)Yes• Soft TorqueYes• adjutsable current limitationYes• pump ramp downYes• initrinsic device protectionYes• motor overload protectionYes• motor overload protectionNo• inside-delta circuitYes• andu-RESETYes• remote resetYes• ommunication functionYes• ommunication functionYes• ommunication functionYes• operating measured value displayYes• and software parameterizableNo• via software configurableYes• indiver configurableYes• indiver configurableYes• indiver control circuitYes• indiver control circuitYes• indiver control circuitYes• indiver control circuitYes• indiver control for control circuitYes• indiver controlNo• analog outputYes• of rated value13.5• at 40 °C rated value200600 V• at 10°C rated value200600 V• at 10°C rated value200600 V<	-				
<ul> <li>Soft Torque</li> <li>Yes</li> <li>adjustable current limitation</li> <li>Yes</li> <li>pump ramp down</li> <li>Yes</li> <li>pump ramp down</li> <li>Yes</li> <li>initiais device protection</li> <li>vealuation of thermistor motor protection</li> <li>inside-deta dircuit</li> <li>evaluation of thermistor motor protection</li> <li>inside-deta dircuit</li> <li>Yes</li> <li>auto-RESET</li> <li>remote reset</li> <li>communication function</li> <li>Yes</li> <li>operating measured value display</li> <li>Yes</li> <li>operating measured value display</li> <li>Yes</li> <li>operating measured value display</li> <li>Yes</li> <li>Yes</li> <li>operating function</li> <li>Yes</li> <li>remore configurable</li> <li>Yes</li> <li>removable terminal for control circuit</li> <li>Yes</li> <li>at 60 °C rated value</li> <li>at 60 °C rat</li></ul>					
• adjustable current limitationYes• pump ramp downYes• initinsic device protectionYes• motor overload protectionYes• evaluation of themistor motor protectionNo• inside-delta circuitYes• evaluation of themistor motor protectionYes• evaluation of themistor motor protectionNo• inside-delta circuitYes• auto-RESETYes• manual RESETYes• remote resetYes• communication functionYes• operating measured value displayYes; Only in conjunction with special accessories• eror logbookYes; Only in conjunction with special accessories• via software configurableYes• via software configurableYes• firmware updateYes; in connection with the PROFINET Standard communication module• firmware updateYes;, 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power Electronics*********************************					
pump ramp downYes• pump ramp downYes• initinisic device protectionYes• motor overload protectionYes• evaluation of thermistor motor protectionNo• inside-detta circuitYes• auto-RESETYes• manual RESETYes• remote resetYes; Dig 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• removable terminal for control circuitYes• forque controlNo• analog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power Electronics13 A• at 40 °C rated value13 A• at 60 °C rated value105 Aoperational current at inside-detta circuit19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value22.5 A• at 60 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value200 600 V• at 60 °C rated value200 600 V <th></th> <th></th>					
Initials device protectionYes• Instring device protectionYes; Electronic motor overload protection• evaluation of thermistor motor protectionNo• Inside-della circuitYes• auto-RESETYes• manual RESETYes• manual RESETYes• communication functionYes; Only in conjunction with special accessories• communication functionYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software parameterizableNo• via software parameterizableYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• analog outputYes; 420 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power Electronics• at 40 °C rated value13.A• at 40 °C rated value11.5 A• at 40 °C rated value10.5 A• at 40 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value200 600 V• at 60 °C rated value200 600 V <th>-</th> <th></th>	-				
• motor overload protectionYes, Electronic motor overload protection• evaluation of thermistor motor protectionNo• inside-delta circuitYes• autor-RESETYes• manual RESETYes• remote resetYes, By turning off the control supply voltage• communication functionYes• operating measured value displayYes; Only in conjunction with special accessories• is software parameterizableNo• via software parameterizableNo• via software configurableYes• removable terminal for control circuitYes• firmware updateYes• removable terminal for control circuitYes• arado outputYes, 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power Electronics13 A• at 40 °C rated value13 A• at 60 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value22.5 A• at 60 °C rated value19.9 A• at 60 °C rated value10 %• rated value </th <th></th> <th></th>					
• evaluation of thermistor motor protectionNo• 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 configurableYes• via software configurableYes• via software configurableYes• removable terminal for control circuitYes• firmware updateYes• torque controlYes• torque controlYes• analog outputYes• at 40 °C rated value13 A• at 50 °C rated value10.5 A• at 60 °C rated value10.5 A• at 60 °C rated value19.9 A• at 60 °C rated value22.5 A• at 60 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value20 600 V• at 60 °C rated value20 600 V• at 60 °C rated value15 %• relative negative tolerance of the operating voltage at15 %• relative negative tolerance of the operating voltage at15 %• relative negative tolerance of the operating voltage at15 %• relative negative tolerance of the operating voltage at15 %• relative negative tolerance of the operating voltage at15 %					
• inside-delta circuitYes• auto-RESETYes• manual RESETYes• manual RESETYes• remote resetYes• 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• via software parameterizableYes; in connection with the PROFINET Standard communication module• removable terminal for control circuitYes; a connection with the PROFINET Standard communication module• removable terminal for control circuitYes; a connection with the PROFINET Standard communication module• removable terminal for control circuitYes; a connection with the PROFINET Standard communication module• removable terminal for control circuitYes; a connection with the PROFINET Standard communication module• torque controlNo• analog outputYes; a connection with the PROFINET Standard communication module• torque controlNo• at 40 °C rated value13 A• at 60 °C rated value10.5 A• at 60 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value200 600 V• at 60 °C rated value200 600 V• at 60 °C rated value10 %• relative negative tolerance of the operating voltage15 %	-				
• atto-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• via software parameterizableNo• via software configurableYes; in connection with the PROFINET Standard communication module• removable terminal for control circuitYes;• removable terminal for control circuitYes; a connection with the PROFINET Standard communication module• removable terminal for control circuitYes;• removable terminal for control circuitYes;• removable terminal for control circuitYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power Electronics11.5 A• at 40 °C rated value10.5 A• operational current11.5 A• at 40 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value22.5 A• at 60 °C rated value19.9 A• at 60 °C rated value200 600 V• at 60 °C rated value200 600 V• at 60 °C rated value200 600 V• at the negative tolerance of the operating voltage15 %• relative negative tolerance of the operating voltage15 %• relative negative tolerance of the operating voltage15 %• relative negative tolerance of the operating voltage15 %					
• 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• via software updateYes; in connection with the PROFINET Standard communication module• removable terminal for control circuitYes• removable terminal for control circuitYes• removable terminal for control circuitYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power Electronics13 A• at 40 °C rated value13 A• at 40 °C rated value10.5 A• at 40 °C rated value19.9 A• at 40 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value200 600 V• at 60 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value10.5 M• at 60 °C rated value10.0 600 V• at 60 °C rated value10.0 600 V• at 60 °C rated value10.0 600 V• at 60 °C rated value10.5 M• at 60 °C rated value10.5 M• at 60 °C rated value10.0 600 V• at 60 °C rated value10.0 600 V<					
• 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• if mware updateYes; in connection with the PROFINET Standard communication module• firmware updateYes;• removable terminal for control circuitYes;• torque controlNo• analog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power Electronics13 A• at 40 °C rated value13 A• at 60 °C rated value10.5 A• at 60 °C rated value19.9 A• at 60 °C rated value18.2 A• porting voltage18.2 A• at 60 °C rated value10.5 OV• at 60 °C rated value200 600 V• at 60 °C rated value18.2 A• porting voltage16.5 %• rated value200 600 V• at 60 °C rated value10.5 M• at 60 °C rated value10.6 M• at 60 °C rated value18.2 A• porting voltage16.5 %• rated value200 600 V• at 60 °C rated value10.5 M• at 60 °C rated value10.6 M• at 60 °C rated value16.0 °C• at 60 °C rated value18.2 A• porting voltage15.5 %<					
• 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;• PROFIenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes;• torque controlNo• analog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power Electronics• at 40 °C rated value11.5 A• at 40 °C rated value10.5 A• at 40 °C rated value10.5 A• at 60 °C rated value19.9 A• at 60 °C rated value18.2 A• at 60 °C rated value10.5 A• at 60 °C rated value10.5 A• at 60 °C rated value10.5 A• at 60 °C rated value18.2 A• at 60 °C rated value19.9 A• at 60 °C rated value10.5 A• at 60 °C rated value<					
• operating measured value display     Yes; Only in conjunction with special accessories       • error logbook     Yes; Only in conjunction with special accessories       • via software configurable     Yes       • VROFlenergy     Yes; in connection with the PROFINET Standard communication module       • firmware update     Yes       • removable terminal for control circuit     Yes       • torque control     No       • analog output     Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)       Power Electronics     Operational current       • at 40 °C rated value     13 A       • at 40 °C rated value     10.5 A       • at 40 °C rated value     19.9 A       • at 60 °C rated value     18.2 A       • at 60 °C rated value     18.2 A       • at 60 °C rated value     18.2 A       • at 60 °C rated value     10.5 A       • at 60 °C rated value     19.9 A       • at 60 °C rated value     200 600 V       • at 60 °C rated value     10.600 V       • at 60 °C rated value     200 600 V       • at 60 °C rated value     200 600 V       • at 60 °C rated value     200 600 V       • at 60 °C rated value     200 600 V       • at 60 °C rated value     200 600 V       • at 60 °C rated value     200 600 V <tr< th=""><th></th><th></th></tr<>					
error logbookYes; Only in conjunction with special accessoriesvia software parameterizableNovia software configurableYes• PROFIenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power ElectronicsIt 5 Aoperational current13 A• at 60 °C rated value10.5 Aoperational current inside-delta circuit22.5 A• at 60 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value200 600 V• at 60 °C rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value10.5 Aoperating voltage-• rated value19.9 A• at 60 °C rated value19.9 A• at 60 °C rated value10.5 Moperating voltage-• rated value10.0 600 V• at 10 °C rated value200 600 V• at 10 °C rated value200 600 V• at 10 inside-delta circuit rated value200 600 V• at 10 inside-delta circuit roted value10 %					
• 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 outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power ElectronicsNo• at 40 °C rated value13 A• at 60 °C rated value10.5 A• at 60 °C rated value10.5 A• at 60 °C rated value19.9 A• at 60 °C rated value18.2 A• at 60 °C rated value200 600 V• at inside-delta circuit rated value200 600 V• at inside-delta circuit rated value200 600 V• at inside-delta circuit rated value10 %					
• via software configurable       Yes         • PROFlenergy       Yes; in connection with the PROFINET Standard communication module         • firmware update       Yes         • removable terminal for control circuit       Yes         • torque control       No         • analog output       Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)         Power Electronics       • eat 40 °C rated value         • at 40 °C rated value       13 A         • at 60 °C rated value       10.5 A         • operational current at inside-delta circuit       22.5 A         • at 60 °C rated value       18.2 A         • operating voltage       18.2 A         • arated value       200 600 V         • at inside-delta circuit rated value       200 600 V         • at at oricuit rated value       200 600 V         • at atistice-delta circuit rated value       200 600 V         • at atistice-delta circuit rated value       200 600 V         • at atistice-delta circuit rated value       200 600 V         • at atistice-delta circuit rated value       200 600 V         • at atistice-delta circuit rated value       200 600 V         • at atistice-delta circuit rated value       10 %	-				
• PROFlenergyYes; in connection with the PROFINET Standard communication module• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power ElectronicsImage: Standard communication module• at 40 °C rated value13 A• at 40 °C rated value11.5 A• at 60 °C rated value10.5 A• operational current at inside-delta circuit22.5 A• at 60 °C rated value19.9 A• at 60 °C rated value18.2 A• operating voltage	-				
• firmware updateYes• removable terminal for control circuitYes• torque controlNo• analog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power Electronicsoperational current13 A• at 40 °C rated value11.5 A• at 60 °C rated value10.5 Aoperational current at inside-delta circuit22.5 A• at 60 °C rated value19.9 A• at 60 °C rated value18.2 Aoperating voltage200 600 V• rated value200 600 V• at inside-delta circuit rated value200 600 V• rated value10 %	-				
• removable terminal for control circuitYes• torque controlNo• analog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power Electronics• operational current13 A• at 40 °C rated value13 A• at 50 °C rated value10.5 A• operational current at inside-delta circuit22.5 A• at 60 °C rated value19.9 A• at 60 °C rated value18.2 A• operating voltage18.2 A• rated value20 600 V• at 60 °C rated value200 600 V• at 60 °C rated value15 %• rated value200 600 V• at 60 °C rated value15 %• rated value200 600 V• at for circuit rated value200 600 V• at for circuit rated value10 %					
• torque controlNo• analog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power Electronicsoperational current13 A• at 40 °C rated value13 A• at 50 °C rated value10.5 Aoperational current at inside-delta circuit22.5 A• at 60 °C rated value19.9 A• at 60 °C rated value200 600 V• at 60 °C rated value18.2 Aoperating voltage200 600 V• rated value-15 %relative negative tolerance of the operating voltage at inside-delta circuit-15 %	-				
• analog outputYes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)Power Electronicsoperational current13 A• at 40 °C rated value13 A• at 60 °C rated value10.5 Aoperational current at inside-delta circuit22.5 A• at 40 °C rated value19.9 A• at 60 °C rated value200 600 V• at 60 °C rated value200 600 V• rated value200 600 V• rated value10.5 %• relative negative tolerance of the operating voltage10 %relative negative tolerance of the operating voltage at10 %					
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• at 40 °C rated value13 A• at 50 °C rated value11.5 A• at 60 °C rated value10.5 Aoperational current at inside-delta circuit22.5 A• at 40 °C rated value22.5 A• at 60 °C rated value19.9 A• at 60 °C rated value18.2 Aoperating voltage200 600 V• at inside-delta circuit rated value200 600 V• at inside-delta circuit rated value10 %relative negative tolerance of the operating voltage at inside-delta circuit10 %relative positive tolerance of the operating voltage at inside-delta circuit10 %					
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• at 60 °C rated value       18.2 A         operating voltage       200 600 V         • rated value       200 600 V         • at inside-delta circuit rated value       200 600 V         relative negative tolerance of the operating voltage       -15 %         relative negative tolerance of the operating voltage       10 %         relative negative tolerance of the operating voltage at inside-delta circuit       -15 %         relative negative tolerance of the operating voltage at inside-delta circuit       10 %					
operating voltage       200 600 V         • rated value       200 600 V         • at inside-delta circuit rated value       200 600 V         relative negative tolerance of the operating voltage       -15 %         relative negative tolerance of the operating voltage       10 %         relative negative tolerance of the operating voltage at inside-delta circuit       -15 %         relative negative tolerance of the operating voltage at inside-delta circuit       10 %					
• rated value       200 600 V         • at inside-delta circuit rated value       200 600 V         relative negative tolerance of the operating voltage       -15 %         relative negative tolerance of the operating voltage       10 %         relative negative tolerance of the operating voltage at inside-delta circuit       -15 %         relative negative tolerance of the operating voltage at inside-delta circuit       10 %         relative positive tolerance of the operating voltage at inside-delta circuit       -15 %		18.2 A			
		000 000 1/			
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       -15 %         relative positive tolerance of the operating voltage at inside-delta circuit       -15 %         relative positive tolerance of the operating voltage at inside-delta circuit       -15 %					
relative positive tolerance of the operating voltage       10 %         relative negative tolerance of the operating voltage at inside-delta circuit       -15 %         relative positive tolerance of the operating voltage at       10 %					
relative negative tolerance of the operating voltage at inside-delta circuit       -15 %         relative positive tolerance of the operating voltage at       10 %					
inside-delta circuit         relative positive tolerance of the operating voltage at         10 %					
		- 13 %			
inside-delta circuit		10 %			
operating power for 3-phase motors	operating power for 3-phase motors				
• at 230 V at 40 °C rated value 3 kW	• at 230 V at 40 °C rated value	3 kW			
• at 230 V at inside-delta circuit at 40 °C rated value 5.5 kW	<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	5.5 kW			
• at 400 V at 40 °C rated value 5.5 kW	• at 400 V at 40 °C rated value	5.5 kW			
• at 400 V at inside-delta circuit at 40 °C rated value 11 kW	• at 400 V at inside-delta circuit at 40 °C rated value	11 kW			
• at 500 V at 40 °C rated value 7.5 kW	• at 500 V at 40 °C rated value	7.5 kW			
• at 500 V at inside-delta circuit at 40 °C rated value 15 kW	<ul> <li>at 500 V at inside-delta circuit at 40 °C rated value</li> </ul>	15 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	5.5 A
at rotary coding switch on switch position 2	6 A
at rotary coding switch on switch position 3	6.5 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	7 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	7.5 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	8 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	8.5 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	9 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	9.5 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	10 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	10.5 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	11 A
at rotary coding switch on switch position 13	11.5 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	12 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	12.5 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	13 A
• minimum	5.5 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	9.5 A
for inside-delta circuit at rotary coding switch on switch     position 2	10.4 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	11.3 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	12.1 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>	13 A 13.9 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	14.7 A
<ul> <li>or inside delta circuit at rotary coding switch on switch</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	15.6 A
<ul> <li>or inside delta circuit at rotary coding switch on switch</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	16.5 A
<ul> <li>position 9</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	17.3 A
<ul><li>position 10</li><li>for inside-delta circuit at rotary coding switch on switch</li></ul>	18.2 A
<ul><li>position 11</li><li>for inside-delta circuit at rotary coding switch on switch</li></ul>	19.1 A
<ul> <li>position 12</li> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> </ul>	19.9 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	20.8 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> </ul>	21.7 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> </ul>	22.5 A
at inside-delta circuit minimum	9.5 A
ninimum load [%]	15 %; Relative to smallest settable le
oower loss [W] for rated value of the current at AC	
• at 40 °C after startup	16 W
• at 50 °C after startup	15 W
• at 60 °C after startup	15 W
oower loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	210 W
● at 50 °C during startup	178 W
• at 60 °C during startup	161 W

Control circuit/ Control			
type of voltage of the control supply voltage	AC/DC		
control supply voltage at AC			
	04.14		
at 50 Hz rated value	24 V		
at 60 Hz rated value	24 V		
relative negative tolerance of the control supply voltage at AC at 50 Hz	-20 %		
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %		
relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %		
relative positive tolerance of the control supply voltage atAC at 60 Hz	20 %		
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 voltage			
• at DC rated value	24 V		
relative negative tolerance of the control supply voltage at DC	-20 %		
relative positive tolerance of the control supply voltage at DC	20 %		
control supply current in standby mode rated value	160 mA		
holding current in bypass operation rated value	360 mA		
inrush current by closing the bypass contacts maximum	0.75 A		
inrush current peak at application of control supply voltage maximum	3.3 A		
duration of inrush current peak at application of control supply voltage	12.1 ms		
design of the overvoltage protection	 Varistor		
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply		
Inputs/ Outputs			
number of digital inputs	1		
number of digital outputs	3		
not parameterizable	2		
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)		
number of analog outputs			
switching capacity current of the relay outputs			
	2.4		
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul>	3 A 1 A		
Installation/ mounting/ dimensions			
mounting position	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface		
fastening method	screw fixing		
height	275 mm		
width	170 mm		
depth	152 mm		
required spacing with side-by-side mounting			
<ul> <li>forwards</li> </ul>	10 mm		
<ul> <li>backwards</li> </ul>	0 mm		
<ul> <li>upwards</li> </ul>	100 mm		
downwards	75 mm		
• at the side	5 mm		
weight without packaging			
Connections/ Terminals	2.1 kg		
	2.1 kg		
type of electrical connection	2.1 kg		
type of electrical connection <ul> <li>for main current circuit</li> </ul>	2.1 kg screw-type terminals		
for main current circuit	screw-type terminals		

— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)
<ul> <li>— solid</li> <li>— finely stranded with core end processing</li> </ul>	2x (1.0 2.5 mm <sup>2</sup> ), 2x (2.5 10 mm <sup>2</sup> )
<ul> <li>for AWG cables for main current circuit solid</li> </ul>	2x (1.0 2.5 mm <sup>-</sup> ), 2x (2.5 6.0 mm <sup>-</sup> ) 2x (16 12), 2x (14 8)
	LA (10 12), LA (17 0)
type of connectable conductor cross-sections <ul> <li>for control circuit solid</li> </ul>	$2x (0.25 \pm 1.5 \text{ mm}^2)$
	2x (0.25 1.5 mm <sup>2</sup> )
<ul> <li>for control circuit finely stranded with core end processing</li> <li>for AWC cohies for control circuit colid</li> </ul>	2x (0.25 1.5 mm²)
<ul> <li>for AWG cables for control circuit solid</li> <li>for AWG cables for control circuit finely stranded with</li> </ul>	2x (24 16)
<ul> <li>for AWG cables for control circuit finely stranded with core end processing</li> </ul>	2x (24 16)
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
at the digital inputs at DC maximum	1 000 m
tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	2 2.5 N·m
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
tightening torque [lbf·in]	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	18 22 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
• during storage according to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
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	
<ul> <li>manufacturer's article number</li> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according</li> </ul>	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
<ul> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> </ul> </li> </ul>	
<ul> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
<ul> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
<ul> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for High Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for High Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
<ul> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
<ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
<ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for High Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at insidedelta circuit according to UL</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
<ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
<ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
<ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Type: Class RK5 / K5, max. 50 A; lq = 5 kA Type: Class J / L, max. 50 A; lq = 100 kA
<ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Type: Class RK5 / K5, max. 50 A; lq = 5 kA Type: Class RK5 / K5, max. 50 A; lq = 100 kA Type: Class RK5 / K5, max. 50 A; lq = 5 kA
<ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Type: Class RK5 / K5, max. 50 A; lq = 5 kA Type: Class RK5 / K5, max. 50 A; lq = 100 kA Type: Class RK5 / K5, max. 50 A; lq = 5 kA

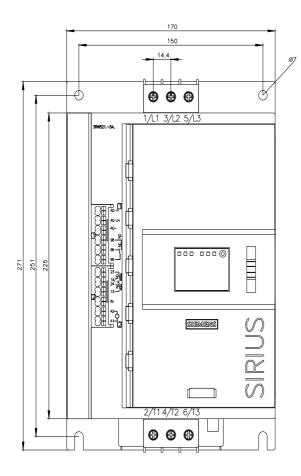
• at 220/230 V at 50 °C rated	value		3 hp			
• at 460/480 V at 50 °C rated	value		7.5 hp	)		
• at 575/600 V at 50 °C rated	value		10 hp			
• at 200/208 V at inside-delta			5 hp			
• at 220/230 V at inside-delta	circuit at 50 °C r	rated value	5 hp			
• at 460/480 V at inside-delta	circuit at 50 °C r	rated value	10 hp			
• at 575/600 V at inside-delta			15 hp			
contact rating of auxiliary contact	cts according to	o UL	R300	-B300		
Safety related data				_	_	
protection class IP on the front a			IP20			
touch protection on the front acc	cording to IEC	60529		-safe, for vertical contac		
electromagnetic compatibility			in acc	ordance with IEC 60947	-4-2	
Certificates/ approvals			_			
General Product Approval						EMC
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Further information						
Siemens has decided to exit the	Russian marke	et (see here)				
https://press.siemens.com/global/e			own-russ	sian-business		
Siemens is working on the renew						
Please contact your local Siemens EAC relevant market (other than th					nd to import or offer to sup	oply these products to an
Information on the packaging						
https://support.industry.siemens.co	<u>m/cs/ww/en/vie</u>	<u>w/109813875</u>				
Information- and Downloadcente	er (Catalogs, Br	rochures,…)				
https://www.siemens.com/ic10 Industry Mall (Online ordering sy	(stem)					
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http://support.automation.siemens.				en&mlfb=3RW5213-3AC	<u>05</u>	
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Image database (product images				device circuit diagram	ns, EPLAN macros,)	
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Characteristic: Tripping characteristic: https://support.industry.siemens.co	eristics, I <sup>2</sup> t, Let-	-through currer	nt			
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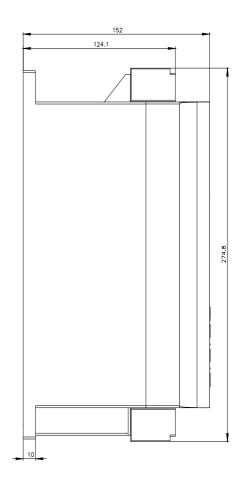
Characteristic: Installation altitude

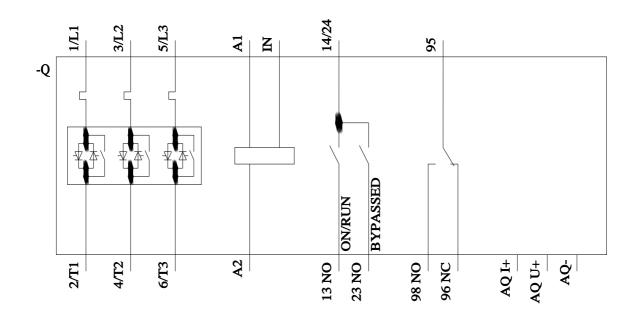
 http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5213-3AC05&objecttype=14&gridview=view1

 Simulation Tool for Soft Starters (STS)

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







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