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	
 of standard HMI module usable 	<u>3RW5980-0HS00</u>
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>
 of communication module PROFINET standard usable 	<u>3RW5980-0CS00</u>
 of communication module PROFIBUS usable 	<u>3RW5980-0CP00</u>
 of communication module Modbus TCP usable 	<u>3RW5980-0CT00</u>
 of communication module Modbus RTU usable 	<u>3RW5980-0CR00</u>
 of communication module Ethernet/IP 	<u>3RW5980-0CE00</u>
 of circuit breaker usable at 400 V 	3RV2032-4TA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3RV2032-4TA10; Type of coordination 1, Iq = 18 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3RV2032-4DA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3RV2032-4DA10; Type of coordination 1, Iq = 18 kA, CLASS 10
 of the gG fuse usable up to 690 V 	3NA3820-6; Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	3NA3820-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1815-0; Type of coordination 2, Iq = 65 kA</u>
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<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				
 is supported HMI-Standard 	Yes				
 is supported HMI-High Feature 	Yes				
product feature integrated bypass contact system	Yes				
number of controlled phases	3				
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2				
buffering time in the event of power failure					
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<	-				
 Soft Torque Yes adjustable current limitation Yes pump ramp down Yes pump ramp down Yes initiais device protection vealuation of thermistor motor protection inside-deta dircuit evaluation of thermistor motor protection inside-deta dircuit Yes auto-RESET remote reset communication function Yes operating measured value display Yes operating measured value display Yes operating measured value display Yes Yes operating function Yes remore configurable Yes removable terminal for control circuit Yes at 60 °C rated value at 60 °C rat					
• 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 %					
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at inside-delta circuit rated value • rated value • rated value • at inside-delta circuit rated value 200 600 V • at inside-delta circuit rated value 200 600 V • relative negative tolerance of the operating voltage 10 % relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative posit	1				
operational current13 A• 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 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 value10.5 %		Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)			
• 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 %					
• 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 50 °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 value10.5 %relative negative tolerance of the operating voltage at inside-delta circuit10 %relative positive tolerance of the operating voltage at inside-delta circuit10 %	-	40.4			
operational current at inside-delta circuit22.5 A• at 40 °C rated value22.5 A• at 50 °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• relative negative tolerance of the operating voltage-15 %relative negative tolerance of the operating voltage at inside-delta circuit10 %relative positive tolerance of the operating voltage at inside-delta circuit10 %relative positive tolerance of the operating voltage at inside-delta circuit-15 %relative positive tolerance of the operating voltage at inside-delta circuit10 %					
• at 40 °C rated value22.5 A• at 50 °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 Vrelative negative tolerance of the operating voltage-15 %relative negative tolerance of the operating voltage at inside-delta circuit10 %relative positive tolerance of the operating voltage at inside-delta circuit-15 %relative negative tolerance of the operating voltage at inside-delta circuit10 %		10.5 A			
• at 50 °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 Vrelative negative tolerance of the operating voltage-15 %relative negative tolerance of the operating voltage at inside-delta circuit10 %relative positive tolerance of the operating voltage at inside-delta circuit-15 %relative positive tolerance of the operating voltage at inside-delta circuit-10 %	•	00.5 Å			
• 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	 at 230 V at inside-delta circuit at 40 °C rated value 	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	 at 500 V at inside-delta circuit at 40 °C rated value 	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
 at rotary coding switch on switch position 4 	7 A
 at rotary coding switch on switch position 5 	7.5 A
 at rotary coding switch on switch position 6 	8 A
 at rotary coding switch on switch position 7 	8.5 A
 at rotary coding switch on switch position 8 	9 A
 at rotary coding switch on switch position 9 	9.5 A
 at rotary coding switch on switch position 10 	10 A
 at rotary coding switch on switch position 11 	10.5 A
 at rotary coding switch on switch position 12 	11 A
at rotary coding switch on switch position 13	11.5 A
 at rotary coding switch on switch position 14 	12 A
 at rotary coding switch on switch position 15 	12.5 A
 at rotary coding switch on switch position 16 	13 A
• minimum	5.5 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	9.5 A
for inside-delta circuit at rotary coding switch on switch position 2	10.4 A
 for inside-delta circuit at rotary coding switch on switch position 3 	11.3 A
 for inside-delta circuit at rotary coding switch on switch position 4 	12.1 A
 for inside-delta circuit at rotary coding switch on switch position 5 for inside-delta circuit at rotary coding switch on switch 	13 A 13.9 A
 for inside-delta circuit at rotary coding switch on switch for inside-delta circuit at rotary coding switch on switch 	14.7 A
 or inside delta circuit at rotary coding switch on switch for inside-delta circuit at rotary coding switch on switch 	15.6 A
 or inside delta circuit at rotary coding switch on switch for inside-delta circuit at rotary coding switch on switch 	16.5 A
 position 9 for inside-delta circuit at rotary coding switch on switch 	17.3 A
position 10for inside-delta circuit at rotary coding switch on switch	18.2 A
position 11for inside-delta circuit at rotary coding switch on switch	19.1 A
 position 12 for inside-delta circuit at rotary coding switch on switch position 13 	19.9 A
 for inside-delta circuit at rotary coding switch on switch position 14 	20.8 A
 for inside-delta circuit at rotary coding switch on switch position 15 	21.7 A
 for inside-delta circuit at rotary coding switch on switch position 16 	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		
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value 	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			
 forwards 	10 mm		
 backwards 	0 mm		
 upwards 	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 for main current circuit 	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)
 — solid — finely stranded with core end processing 	2x (1.0 2.5 mm ²), 2x (2.5 10 mm ²)
 for AWG cables for main current circuit solid 	2x (1.0 2.5 mm ⁻), 2x (2.5 6.0 mm ⁻) 2x (16 12), 2x (14 8)
	LA (10 12), LA (17 0)
type of connectable conductor cross-sections for control circuit solid 	$2x (0.25 \pm 1.5 \text{ mm}^2)$
	2x (0.25 1.5 mm ²)
 for control circuit finely stranded with core end processing for AWC cohies for control circuit colid 	2x (0.25 1.5 mm²)
 for AWG cables for control circuit solid for AWG cables for control circuit finely stranded with 	2x (24 16)
 for AWG cables for control circuit finely stranded with core end processing 	2x (24 16)
wire length	
 between soft starter and motor maximum 	800 m
 at the digital inputs at AC maximum 	100 m
at the digital inputs at DC maximum	1 000 m
tightening torque	
 for main contacts with screw-type terminals 	2 2.5 N·m
 for auxiliary and control contacts with screw-type terminals 	0.8 1.2 N·m
tightening torque [lbf·in]	
 for main contacts with screw-type terminals 	18 22 lbf·in
 for auxiliary and control contacts with screw-type terminals 	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
 during transport according to IEC 60721 	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	
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according 	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL 	
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at inside- 	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
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at inside-delta 	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V according 	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
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to 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
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at inside- 	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
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at insidedelta circuit according to 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
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V at inside-delta circuit according to 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
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at insidedelta circuit according to UL usable for Standard Faults at 575/600 V at insidedelta circuit according to UL usable for Standard Faults up to 575/600 V according to 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
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at insidedelta circuit according to UL usable for Standard Faults at 575/600 V at insidedelta circuit according to UL usable for Standard Faults up to 575/600 V according to UL usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to 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
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V at inside-delta circuit according to UL usable for Standard Faults up to 575/600 V according to UL usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL 	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
 manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at inside-delta circuit according to UL usable for Standard Faults up to 575/600 V according to UL usable for Standard Faults up to 575/600 V according to UL usable for Standard Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL 	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

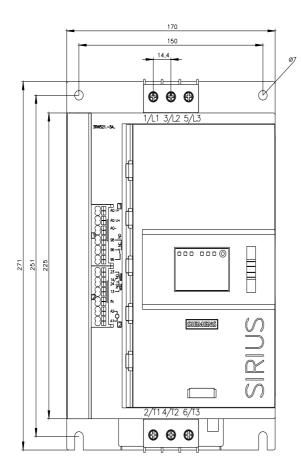
• at 220/230 V at 50 °C rated	value		3 hp			
• at 460/480 V at 50 °C rated	value		7.5 hp)		
• at 575/600 V at 50 °C rated	value		10 hp			
• at 200/208 V at inside-delta			5 hp			
• at 220/230 V at inside-delta	circuit at 50 °C r	rated value	5 hp			
• at 460/480 V at inside-delta	circuit at 50 °C r	rated 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
						•
	m	<u>Confirmation</u>	on	Ē	гпг	A
	u)			(VL)	FHL	
				9	LIIL	يپ
CSA	ccc			UL		KC M
Declaration of Conformity		Test Certificat	toe	Marine / Shipping		
Declaration of Comonnity		rest certificat	163	Marine / Shipping		
		Type Test Ce	rtific-	Search Street	ALC: YES	
	· F	ates/Test Re		a state of the	(i _1= i	Lloyds
	. `			a stand		Register
EG	5-Konf.			ABS	BUREAU	LRS
					VERITAS	
Marine / Shipping other						
Conf	firmation					
1 22 A						
PRS						
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)					
https://mall.industry.siemens.com/r		og/product?mlfb	<u>)=3RW5</u> 2	2 <u>13-3AC05</u>		
Cax online generator						
http://support.automation.siemens.				en&mlfb=3RW5213-3AC	<u>05</u>	
Service&Support (Manuals, Cert https://support.industry.siemens.co						
Image database (product images				device circuit diagram	ns, EPLAN macros,)	
http://www.automation.siemens.com	m/bilddb/cax_de	e.aspx?mlfb=3R	W5213-3			
Characteristic: Tripping characteristic: https://support.industry.siemens.co	eristics, I ² t, Let-	-through currer	nt			
	mlochandoning					

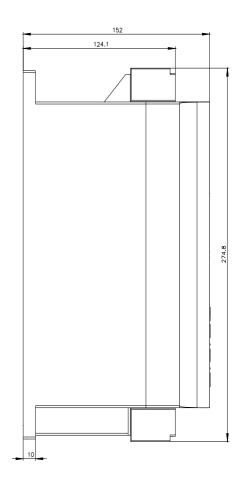
Characteristic: Installation altitude

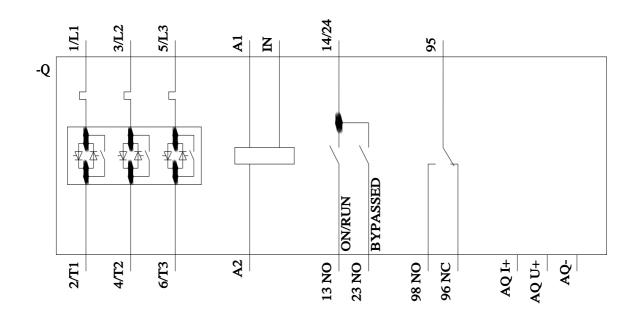
 http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5213-3AC05&objecttype=14&gridview=view1

 Simulation Tool for Soft Starters (STS)

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







1/14/2023 🖸