SIEMENS

Data sheet 3RW5213-1TC14



SIRIUS soft starter 200-480 V 13 A, 110-250 V AC Screw terminals Thermistor input

product brand name product category product designation product type designation manufacturer's article number

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

SIRIUS

Hybrid switching devices

Soft starter

3RW52

3RW5980-0HS00

3RW5980-0HF00

3RW5980-0CS00

3RW5980-0CP00

3RW5980-0CT00

3RW5980-0CR00 3RW5980-0CE00

3RV2032-4TA10; Type of coordination 1, Iq = 65 kA, CLASS 10

3RV2032-4TA10; Type of coordination 1, Iq = 18 kA, CLASS 10

3RV2032-4DA10; Type of coordination 1, Iq = 65 kA, CLASS 10

3RV2032-4DA10; Type of coordination 1, Iq = 18 kA, CLASS 10

3NA3820-6; Type of coordination 1, Iq = 65 kA

3NA3820-6; Type of coordination 1, Iq = 65 kA

3NE1815-0; Type of coordination 2, Iq = 65 kA

3NE8017-1; Type of coordination 2, Iq = 65 kA

General technical data

starting voltage [%] stopping voltage [%] start-up ramp time of soft starter current limiting value [%] adjustable certificate of suitability

- CE marking
- UL approval
- CSA approval

product component

- HMI-High Feature
- is supported HMI-Standard
- is supported HMI-High Feature

product feature integrated bypass contact system number of controlled phases

trip class

buffering time in the event of power failure

30 ... 100 %

50 %; non-adjustable

0 ... 20 s

130 ... 700 %

Yes

Yes

Yes

No

Yes

Yes

Yes

3

CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2

 for main current circuit 	100 ms
 for control circuit 	100 ms
insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 600 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 between main and auxiliary circuit 	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/15/2018
product function	
ramp-up (soft starting)	Yes
ramp-down (soft stop)	Yes
Soft Torque	Yes
 adjustable current limitation 	Yes
pump ramp down	Yes
 intrinsic device protection 	Yes
motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)
 evaluation of thermistor motor protection 	Yes; Type A PTC or Klixon / Thermoclick
inside-delta circuit	Yes
auto-RESET	Yes
manual RESET	Yes
remote reset	Yes; By turning off the control supply voltage
 communication function 	Yes
 operating measured value display 	Yes; Only in conjunction with special accessories
• error logbook	Yes; Only in conjunction with special accessories
 via software parameterizable 	No
• via software configurable	Yes
via software configurablePROFlenergy	Yes; in connection with the PROFINET Standard communication module
via software configurablePROFlenergyfirmware update	Yes; in connection with the PROFINET Standard communication
 via software configurable PROFlenergy firmware update removable terminal for control circuit 	Yes; in connection with the PROFINET Standard communication module Yes Yes
 via software configurable PROFlenergy firmware update removable terminal for control circuit torque control 	Yes; in connection with the PROFINET Standard communication module Yes Yes No
 via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output 	Yes; in connection with the PROFINET Standard communication module Yes Yes
 via software configurable PROFlenergy firmware update removable terminal for control circuit torque control 	Yes; in connection with the PROFINET Standard communication module Yes Yes No
 via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current 	Yes; in connection with the PROFINET Standard communication module Yes Yes No No
 via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value 	Yes; in connection with the PROFINET Standard communication module Yes Yes No No
 via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value 	Yes; in connection with the PROFINET Standard communication module Yes Yes No No 13 A 11.5 A
 via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value 	Yes; in connection with the PROFINET Standard communication module Yes Yes No No
 via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit 	Yes; in connection with the PROFINET Standard communication module Yes Yes No No 13 A 11.5 A 10.5 A
 via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value 	Yes; in connection with the PROFINET Standard communication module Yes Yes No No 13 A 11.5 A 10.5 A
 via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value 	Yes; in connection with the PROFINET Standard communication module Yes Yes No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 60 °C rated value	Yes; in connection with the PROFINET Standard communication module Yes Yes No No 13 A 11.5 A 10.5 A
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value operating voltage	Yes; in connection with the PROFINET Standard communication module Yes Yes No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A 18.2 A
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value	Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A 18.2 A 200 480 V
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value at inside-delta circuit rated value	Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A 18.2 A 200 480 V 200 480 V
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value operating voltage rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage	Yes; in connection with the PROFINET Standard communication module Yes Yes No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A 18.2 A 200 480 V 200 480 V -15 %
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value operating voltage rated value operating voltage relative negative tolerance of the operating voltage	Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A 18.2 A 200 480 V 200 480 V -15 % 10 %
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value operating voltage rated value operating voltage relative negative tolerance of the operating voltage at inside-delta circuit	Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A 18.2 A 200 480 V 200 480 V -15 % 10 % -15 %
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit	Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A 18.2 A 200 480 V 200 480 V -15 % 10 %
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors	Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A 18.2 A 200 480 V 200 480 V -15 % 10 % -15 %
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value operating voltage at 60 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors at 230 V at 40 °C rated value	Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A 18.2 A 200 480 V 200 480 V -15 % 10 % -15 % 10 %
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors at 230 V at 40 °C rated value at 230 V at inside-delta circuit at 40 °C rated value	Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A 18.2 A 200 480 V 200 480 V -15 % 10 % -15 % 10 %
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at inside-delta circuit rated value rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors at 230 V at 40 °C rated value at 230 V at inside-delta circuit at 40 °C rated value at 400 V at 40 °C rated value	Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A 18.2 A 200 480 V 200 480 V -15 % 10 % -15 % 10 % 3 kW 5.5 kW 5.5 kW
via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors at 230 V at 40 °C rated value at 230 V at inside-delta circuit at 40 °C rated value	Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 13 A 11.5 A 10.5 A 22.5 A 19.9 A 18.2 A 200 480 V 200 480 V -15 % 10 % -15 % 10 %

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 at rotary coding switch on switch position 12	11 A
at rotary coding switch on switch position 13 at rotary coding switch on switch position 14	11.5 A 12 A
 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 	12.5 A
at rotary coding switch on switch position 16 at rotary coding switch on switch position 16	13 A
minimum	5.5 A
adjustable motor current	0.071
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 	13 A
 for inside-delta circuit at rotary coding switch on switch position 6 	13.9 A
for inside-delta circuit at rotary coding switch on switch position 7 for inside delta circuit at retary coding switch on	14.7 A
 for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on 	15.6 A 16.5 A
switch position 9 • for inside-delta circuit at rotary coding switch on	17.3 A
switch position 10 • for inside-delta circuit at rotary coding switch on	18.2 A
switch position 11 • for inside-delta circuit at rotary coding switch on	19.1 A
switch position 12 • for inside-delta circuit at rotary coding switch on	19.9 A
switch position 13for inside-delta circuit at rotary coding switch on	20.8 A
switch position 14for inside-delta circuit at rotary coding switch on	21.7 A
switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16	22.5 A
switch position 16 • at inside-delta circuit minimum	9.5 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	15 77, Holding to chiminot opticible to
• at 40 °C after startup	16 W
at 50 °C after startup	15 W
at 60 °C after startup	15 W
power 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
control supply voltage at AC	

* a 150 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control su		
relative negative tolerance of the control supply voltage at Act 45 Hz voltage at AC 45 Hz voltage frequency voltage	● at 50 Hz	110 250 V
voltage at AC at 50 ftz relative positive tolerance of the control supply voltage at AC at 50 ftz relative negative tolerance of the control supply voltage at AC at 60 ftz relative negative tolerance of the control supply voltage at AC at 60 ftz relative positive tolerance of the control supply voltage at AC at 60 ftz relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the Control supply voltage frequency relative negative tolerance of the Control supply voltage frequency relative negative tolerance of the Control supply voltage frequency relative negative tolerance of the Control supply voltage frequency relative negative toleranc		
voltage àt AC at 60 ftz relative negative tolerance of the control supply voltage at AC at 60 ftz control supply voltage requency relative positive tolerance of the control supply voltage at AC at 60 ftz voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value for submidding current in bypass operation rated value for submidding current current peak at application of control supply current in bypass operation rated value for submidding current current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit ### A GS fuse (current kA), 6. A quick-acting fuse ((current kA), C1 ministrure circuit breaker ((curent kA), 6. A quick-acting fuse ((current kA), C1 ministrure circuit breaker ((curent kA), 6. A quick-acting fuse ((current kA), C1 ministrure circuit breaker ((current kA), 6. A quick-acting fuse ((current kA), C1 ministrure circuit breaker ((current kA), 6. A quick-acting fuse ((current kA), C1 ministrure circuit breaker ((current kA), 6. A quick-acting fuse ((current kA), C1 ministrure circuit breaker ((current kA), 6. A quick-acting fuse ((current kA),		-15 %
voltage at AC at 60 ftz relative positive tolerance of the control supply voltage at AC at 60 ftz relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value funds current peak at application of control supply voltage maximum duration of innush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit design of short-circuit protection for control circuit supply voltage **To AG Susse (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** **Inputs/Outp		10 %
relative positive tolerance of the control supply voltage of act 46 btz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative negative tolerance of the control supply voltage frequency control supply voltage maximum duration of minish current peak at application of control supply voltage maximum duration of minish current peak at application of control supply voltage maximum duration of minish current peak at application of control supply voltage maximum duration of short-circuit protection for control circuit and supply voltage design of the overvoltage protection design of short-circuit protection for control circuit and supply voltage design of short-circuit protection for control circuit and supply voltage and supply voltag	relative negative tolerance of the control supply	-15 %
control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in shandby mode rated value holding current in bypass operation rated value anush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage maximum design of short-circuit protection for control circuit inputs/ Outputs number of digital inputs number of digital inputs number of digital outputs and incommendation fastening method height and incommendation and incomm	relative positive tolerance of the control supply	10 %
relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value mush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit specific protection of design of short-circuit protection for control circuit specific protection of design of short-circuit protection for control circuit specific protection of design of short-circuit protection for control circuit specific protection of design of short-circuit protection for control circuit specific protection of control circuit specific protection of design of short-circuit protection for control circuit specific protection of design of short-circuit protection for control circuit specific protection of spec	· ·	50 60 Hz
relative positive lolerance of the control supply voltage frequency control supply current in standby mode rated value innush current peak at application of control supply voltage maximum. duration of innush current peak at application of control supply voltage design of the overvoltage protection of design of short-circuit protection for control circuit inputs/ Outputs Variator	0 11 7	-10 %
control supply current in standby mode rated value holding current in bypass operation rated value inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit casign of short-circuit protection for control circuit casign of short-circuit protection for control circuit casign of the overvoltage protection design of short-circuit protection for control circuit casign of short-circuit protection for control circuit in casign of short-circuit casign of control circuit solid casign of short-circuit casign of control circuit solid casign of short-circuit casign of control circuit solid casign of casign of short-circuit casign of control circuit solid casign of	relative positive tolerance of the control supply	10 %
inush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit casign of the overvoltage protection design of short-circuit protection for control circuit casign of the overvoltage protection of control circuit casign of the overvoltage protection of control circuit casign of short-circuit protection for control circuit casign of short-circuit casign of short-		30 mA
maximum duration of innush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit A g G fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 500 A), C6 miniature circuit breaker (Icu= 300 A), is not part of scope of supply Inputs/ Outputs		75 mA
supply voltage design of the overvoltage protection design of short-circuit protection for control circuit sign of short-circuit sign of short-circuit protection for control circuit sign of short-circuit sign of short-circuit sign of short-circuit sign of supply voltage for control circuit sign of short-circuit sign of supply voltages of supply v	1 11 11 11 7	12.2 A
design of short-circuit protection for control circuit	· · · · · · · · · · · · · · · · · · ·	2.2 ms
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value • at DC-13 at 24 V rated value 1 A Installation/ mounting/ dimensions mounting position ##- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing • forwards • backwards • backwards • outpards • at the side ## at WC-10 in main current circuit ## of control circuit ## with conductor cross-section = 0.5 mm² maximum ##	<u> </u>	
number of digital inputs number of digital inputs number of digital outputs	design of short-circuit protection for control circuit	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs • at AC-15 at 250 V rated value • at AC-15 at 250 V rated value • at AC-15 at 250 V rated value • at AC-16 at 250 V rated value • at DC-13 at 24 V rated value fastallation/mounting/dimensions mounting position **V-* 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing surface screw fixing **to mm **dith* depth* 152 mm required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • downwards • at the side **wight without packaging **Connections/* I reminals **type of electrical connection • for main current circuit **of or control circuit **wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • for main contacts - solid - finely stranded with core end processing • for control circuit solid • for control circuit solid • for control circ	Innuita / Outrouta	not part of scope of supply
number of digital outputs • not parameterizable digital output version number of analog outputs **at QC-15 at 250 V rated value • at DC-13 at 24 V rated value • at DC-13 at 24 V rated value **nounting position fastening method height width forwards • backwards • upwards • downwards • at the side * at the side * at the side * of control circuit **for main current circuit **of main contacts **in main contacts **of main contacts **of control circuit **of connectable conductor cross-sections • for control circuit solid **of control circuit sloid **of control circuit solid **of control circuit sloid **of c		1
ont parameterizable digital output version number of analog outputs switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value at DC-13 at 24 V rated value Act To 13 at 250 V rated value at DC-13 at 24 V rated value Act To 13 at 250 V rated value Act To 13 at 24 V rated value Act To 23 at 24 V rated value Act To 24 V rated value Act To 25 V rated value Act To 275 mm Act To 275		
digital output version number of analog outputs witching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value 1 A Installation/ mounting/ dimensions mounting position fastening method height 275 mm width depth 152 mm required spacing with side-by-side mounting • forwards • abackwards • authorized and the side wolght without packaging 2.1 kg Connections/ Terminals type of electrical connection • for control circuit mounticor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • at AC-15 at 250 V rated value 2 A A 3 A 3 A 4 A 4 A 4 A 4 A 4 A		
switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value 1 A Installation/ mounting/ dimensions mounting position fastening method height vidth depth 152 mm required spacing with side-by-side mounting • forwards • pupwards • at the side weight without packaging connections/ Terminals type of electrical connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 0.5 mm² maximum type of connectable conductor cross-sections • for control circuit finely stranded with core end for control circuit finely stranded with core	·	2 normally-open contacts (NO) / 1 changeover contact (CO)
at AC-15 at 250 V rated value at DC-13 at 24 V rated value 1 A Installation/ mounting/ dimensions mounting position fastening method height vidth depth required spacing with side-by-side mounting • forwards • backwards • downwards • downwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for control circuit solid — finely stranded with core end processing • for control circuit solid for control circuit solid • for control circuit solid • for control circuit stolid • for control circuit finely stranded with core end • for control circuit finely stranded with core end • for control circuit finely stranded with core end • for control circuit finely stranded with core end • for control circuit finely stranded with core end • for control circuit finely stranded with core end • for control circuit finely stranded with core end • for control circuit finely stranded with core end • for control circuit finely stranded with core end • for control circuit finely stranded with core end • for control circuit finely stranded with core end	number of analog outputs	0
• at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position **		
Installation/ mounting/ dimensions		
mounting position #/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing height 275 mm width 275 mm 170 mm 162 mm **equired spacing with side-by-side mounting **forwards 10 mm **backwards 0 mm **backwards 0 mm **ownwards 100 mm **downwards 5 mm **eat the side 5 mm weight without packaging 2.1 kg **Connections/ Terminals** **type of electrical connection		
restening method height width depth required spacing with side-by-side mounting of forwards backwards backwards downwards the side weight without packaging connections/ Terminals type of electrical connection of ro rontrol circuit with conductor cross-sections of main connectable conductor cross-sections of romain connectable conductor cross-sections of romain connectable conductor cross-sections of romain connectable conductor cross-sections of or main contects - solid - finely stranded with core end processing of ro control circuit solid of ro control circuit solid of romentable conductor cross-sections of romain contects - solid - finely stranded with core end over the fixed amounting surface screw fixing 170 mm 162 mm 162 mm 163 mm 164 mm 165 mm 165 mm 265 mm 265 mm 275 mm 276 mm 276 mm 277 mm 277 maximum 278 mm 279 maximum 279 mm 270 m		17
height width depth 170 mm 170 mm 152 mm required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for main current circuit • for control circuit wipe of connectable conductor cross-sections • for main contacts — solid — finely stranded with core end processing • for control circuit solid type of connectable conductor cross-sections • for control circuit solid type of connectable conductor cross-sections • for control circuit solid 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 2.5 mm²)	Installation/ mounting/ dimensions	
width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit screw-type terminals with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • for main contacts — solid — finely stranded with core end processing • for control circuit strout s	Installation/ mounting/ dimensions	+/- 10° rotation possible and can be tilted forward or backward on
depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit conductor cross-sections • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductors • for main current circuit • for control direction • with conductor cross-sections • for main contacts - solid - finely stranded with core end processing • at AWG cables for main current circuit solid type of connectable conductor cross-sections • for control circuit solid type of connectable conductor cross-sections • for control circuit solid 1x (0.5 4.0 mm²), 2x (2.5 6.0 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)	Installation/ mounting/ dimensions mounting position	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface
e forwards	Installation/ mounting/ dimensions mounting position fastening method height	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm
 forwards backwards upwards downwards at the side mm eat the side mm 2.1 kg Connections/ Terminals type of electrical connection for main current circuit for control circuit entropy of thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum for main contacts solid minely stranded with core end processing at AWG cables for main current circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit finely stranded with core end ty (0.5 4.0 mm²), 2x (0.5 2.5 mm²) tx (0.5 2.5 mm²), 2x (0.5 1.5 mm²) 	Installation/ mounting/ dimensions mounting position fastening method height width	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm
 upwards downwards at the side 5 mm 2.1 kg Connections/ Terminals type of electrical connection for main current circuit for control circuit wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum for main contacts solid mini contacts pínely stranded with core end processing at AWG cables for main current circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit solid type of connectable conductor cross-sections for control circuit finely stranded with core end type of control circuit finely stranded with core end type of control circuit finely stranded with core end type of control circuit finely stranded with core end 	Installation/ mounting/ dimensions mounting position fastening method height width depth	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm
 downwards at the side b mm 2.1 kg Connections/ Terminals type of electrical connection for main current circuit for control circuit wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum for main contacts sorew-type terminals 50 m 250 m type of connectable conductor cross-sections for main contacts for main contacts for main contacts at AWG cables for main current circuit solid type of connectable conductor cross-sections for control circuit solid for control circuit finely stranded with core end for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) tx (0.5 4.0 mm²), 2x (0.5 2.5 mm²) tx (0.5 2.5 mm²), 2x (0.5 1.5 mm²) 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm
 at the side weight without packaging 2.1 kg Connections/ Terminals type of electrical connection for main current circuit for control circuit wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts — solid — finely stranded with core end processing at AWG cables for main current circuit solid type of connectable conductor cross-sections for control circuit solid for control circuit solid for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm
weight without packaging 2.1 kg Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for control circuit screw-type terminals wire length for thermistor connection screw-type terminals • with conductor cross-section = 0.5 mm² maximum 50 m • with conductor cross-section = 1.5 mm² maximum 150 m • with conductor cross-section = 2.5 mm² maximum 250 m type of connectable conductor cross-sections 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) • for main contacts 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²) • at AWG cables for main current circuit solid 2x (16 12), 2x (14 8) type of connectable conductor cross-sections 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) • for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm
type of electrical connection • for main current circuit • for control circuit wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-sections • for main contacts — solid — finely stranded with core end processing • at AWG cables for main current circuit solid type of connectable conductor cross-sections • for control circuit solid • for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm
type of electrical connection • for main current circuit • for control circuit wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for main contacts — solid — finely stranded with core end processing • at AWG cables for main current circuit solid type of connectable conductor cross-sections • for control circuit solid type of connectable conductor cross-sections • for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm
 for main current circuit for control circuit wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts solid finely stranded with core end processing at AWG cables for main current circuit solid type of connectable conductor cross-sections for control circuit solid for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²) 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm
 for control circuit wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts — solid — finely stranded with core end processing at AWG cables for main current circuit solid type of connectable conductor cross-sections for control circuit solid for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 2.5 mm²) 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm
 wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts — solid — finely stranded with core end processing at AWG cables for main current circuit solid type of connectable conductor cross-sections for control circuit solid for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
 with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts — solid — finely stranded with core end processing at AWG cables for main current circuit solid type of connectable conductor cross-sections for control circuit solid for control circuit finely stranded with core end 150 m 250 m 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²) 2x (16 12), 2x (14 8) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
 with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts — solid — finely stranded with core end processing at AWG cables for main current circuit solid type of connectable conductor cross-sections for control circuit solid for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
type of connectable conductor cross-sections • for main contacts — solid — finely stranded with core end processing • at AWG cables for main current circuit solid type of connectable conductor cross-sections • for control circuit solid • for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 2.5 mm²)	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
 for main contacts — solid — finely stranded with core end processing • at AWG cables for main current circuit solid type of connectable conductor cross-sections • for control circuit solid • for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²) 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals screw-type terminals 50 m 150 m
 — solid — finely stranded with core end processing • at AWG cables for main current circuit solid • for control circuit solid • for control circuit finely stranded with core end 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²) 2x (16 12), 2x (14 8) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals screw-type terminals 50 m 150 m
 — finely stranded with core end processing at AWG cables for main current circuit solid type of connectable conductor cross-sections for control circuit solid for control circuit finely stranded with core end 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²) 2x (16 12), 2x (14 8) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals screw-type terminals 50 m 150 m
type of connectable conductor cross-sections • for control circuit solid • for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals screw-type terminals 50 m 150 m 250 m
 for control circuit solid for control circuit finely stranded with core end 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) 	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for main contacts — solid	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals screw-type terminals 50 m 150 m 250 m
• for control circuit finely stranded with core end 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals screw-type terminals 50 m 150 m 250 m 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)
	Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals screw-type terminals 50 m 150 m 250 m 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²) 2x (16 12), 2x (14 8)

 at AWG cables for control circuit solid 	1x (20 12), 2x (20 14)
wire length	
 between soft starter and motor maximum 	800 m
 at the digital inputs at AC maximum 	100 m
tightening torque	
 for main contacts with screw-type terminals 	2 2.5 N·m
for auxiliary and control contacts with screw-type	0.8 1.2 N·m
terminals	
tightening torque [lbf-in] • for main contacts with screw-type terminals	18 22 lbf·in
for auxiliary and control contacts with screw-type	7 10.3 lbf·in
terminals	7 10.5 IDI III
Ambient conditions	
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	o ooo m, betaing as or roos m, see satalog
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or
asing operation	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
during at 150 00704	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	200. to 120 000 ft 1 2. Oldoo ft
communication module is supported	
PROFINET standard	Yes
EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
PROFIBUS	Yes
UL/CSA ratings	
OL/OOA latings	
manufacturer's article number	
manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 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	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65
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	
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-	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65
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 — usable for Standard Faults at 575/600 V	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 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; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq 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 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	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 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 — 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	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 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 — 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 • of the fuse — usable for Standard Faults up to 575/600 V	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 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 — 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 High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Type: Class RK5 / K5, max. 50 A; Iq = 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 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 sable 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	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Type: Class RK5 / K5, max. 50 A; Iq = 5 kA Type: Class J / L, max. 50 A; Iq = 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 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 of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for 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; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Type: Class RK5 / K5, max. 50 A; Iq = 5 kA Type: Class RK5 / K5, max. 50 A; Iq = 100 kA Type: Class RK5 / K5, max. 50 A; Iq = 5 kA
 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 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 of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL 	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA Type: Class RK5 / K5, max. 50 A; Iq = 5 kA Type: Class RK5 / K5, max. 50 A; Iq = 100 kA Type: Class RK5 / K5, max. 50 A; Iq = 5 kA
 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 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 of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors 	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 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 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 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 of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value	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 Type: Class RK5 / K5, max. 50 A; lq = 5 kA Type: Class J / L, max. 50 A; lq = 100 kA Type: Class J / L, max. 50 A; lq = 100 kA Type: Class J / L, max. 50 A; lq = 100 kA
 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 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 of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value 	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 Type: Class RK5 / K5, max. 50 A; lq = 5 kA Type: Class J / L, max. 50 A; lq = 100 kA Type: Class J / L, max. 50 A; lq = 100 kA Type: Class J / L, max. 50 A; lq = 100 kA
• 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 — 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 • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated • at 200/208 V at inside-delta circuit at 50 °C rated	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 Type: Class RK5 / K5, max. 50 A; lq = 5 kA Type: Class J / L, max. 50 A; lq = 100 kA Type: Class J / L, max. 50 A; lq = 100 kA Type: Class J / L, max. 50 A; lq = 100 kA
• 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 — usable for High 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 High Faults up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value	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 = 100 kA Type: Class RK5 / K5, max. 50 A; lq = 100 kA Type: Class J / L, max. 50 A; lq = 100 kA Z hp 3 hp 7.5 hp 5 hp

Safety related data

protection class IP on the front according to IEC 60529

IP20

touch protection on the front according to IEC 60529 electromagnetic compatibility

finger-safe, for vertical contact from the front in accordance with IEC 60947-4-2

Certificates/ approvals

General Product Approval

EMC





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other



Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5213-1TC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5213-1TC14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5213-1TC14

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5213-1TC14&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

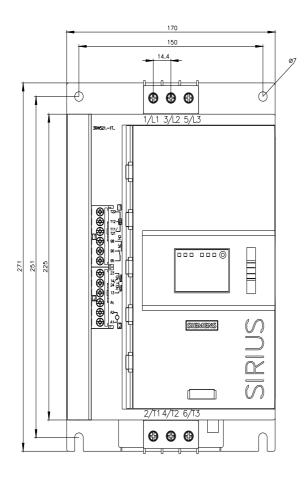
https://support.industry.siemens.com/cs/ww/en/ps/3RW5213-1TC14/char

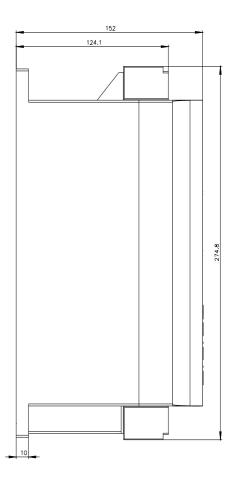
Characteristic: Installation altitude

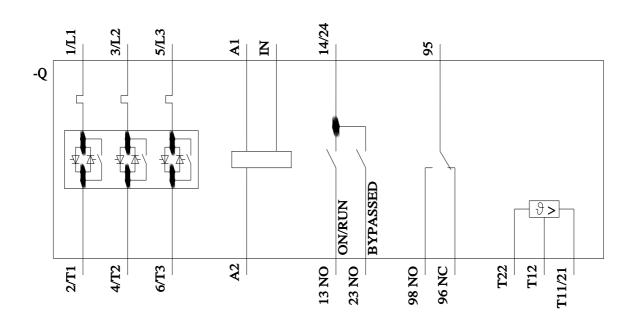
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5213-1TC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







last modified: 9/13/2022 🖸