SIEMENS

Data sheet 3RW5227-1TC14



SIRIUS soft starter 200-480 V 93 A, 110-250 V AC Screw terminals Thermistor input

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 	3RW5980-0HS00
 of high feature HMI module usable 	3RW5980-0HF00
 of communication module PROFINET standard usable 	3RW5980-0CS00
 of communication module PROFIBUS usable 	3RW5980-0CP00
• of communication module Modbus TCP usable	3RW5980-0CT00
 of communication module Modbus RTU usable 	3RW5980-0CR00
 of communication module Ethernet/IP 	3RW5980-0CE00
 of circuit breaker usable at 400 V 	3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 15 kA, CLASS 10
 of circuit breaker usable at 500 V 	3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 15 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10
 of the gG fuse usable up to 690 V 	3NA3136-6; Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	3NA3136-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1224-0: Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE4124; Type of coordination 2, Iq = 65 kA
eneral technical data	

General technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 50 %
start-up ramp time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
certificate of suitability	
CE marking	Yes
 UL approval 	Yes
CSA approval	Yes
product component	
 HMI-High Feature 	No
 is supported HMI-Standard 	Yes
 is supported HMI-High Feature 	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3

buffering time in the event of power failure • for main current circuit • for control circuit • and control circuit • for call control circuit • for control circuit • for call c		
• for main current circuit • for control circuit • for said value • for your control circuit • for said value • for your control circuit • for said value • for your control circuit • for said value • for your control circuit • for candidate your control circuit • for your your your your your your your yo	trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
For control circuit	buffering time in the event of power failure	
insulation voltage rated value degree of pollution guide voltage rated value blocking voltage of the tryifstor maximum 1 400 V surge voltage resistance rated value 8 kV surge voltage resistance rated value 9 block resistance 9 block resistance 9 block resistance 9 vibration resistance 9		
degree of pollution Saco Section Saco Section		
Impulse voltage rated value blocking voltage of the thryristor maximum 1400 V service factor 1 surge voltage resistance rated value 6 6kV surge voltage resistance rated value 15		600 V
blacking voltage of the thyristor maximum service factor surge voltage resistance rated value asximum permissible voltage for safe isolation between main and auxilary circuit shock resistance between main and auxilary circuit shock 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 20 guistance Prohibitance (Date) 15 02 2018 rorduct function 15 02 2018 rorduct function 15 02 2018 rorduct function 16 camp-up (soft starting) 17 camp-down (soft stop) 18 camp-up (soft starting) 18 camp-down (soft stop) 19 camp-down (soft stop) 19 camp-down (soft stop) 19 camp-down (soft stop) 10 camp-up (soft starting) 10 camp-down (soft stop) 10 camp-up (soft starting) 10 camp-down (soft stop) 11 camp-down (soft stop) 12 camp-down (soft stop) 13 camp-down (soft stop) 14 camp-down (soft stop) 15 camp-up (soft starting) 16 camp-up (soft starting) 17 camp-down (soft stop) 18 camp-down (soft stop) 19 camp-down (soft stop) 19 camp-down (soft stop) 19 camp-down (soft stop) 19 camp-down (soft stop) 10 camp-down (soft stop) 11 camp-down (soft stop) 12 camp-down (soft stop) 12 camp-down (soft stop) 13 camp-down (soft stop) 14 camp-down (soft stop) 15 camp-down	degree of pollution	3, acc. to IEC 60947-4-2
service factor surge voltage resistance rated value • between main and auxiliary circuit • bif yi 11 ms with potential contact liftling # bif yi 20 to 20 to 45 bif yi 11 ms with potential contact liftling # bif yi 11 ms with potential contact liftling # bif yi 12 to 20 to 45 bif yi 11 ms with potential contact liftling # bif yi 20 to 50 to 71 to 7	impulse voltage rated value	
surge voltage resistance rated value aximum permissible voltage for safe isolation between main and auxilary circuit shock resistance 15 gr 11 ms, from 12 g / 11 ms with potential contact lifting vibration resistance 15 gr 15 m to 6 Hz. 2g to 500 Hz Ifform code acc. to IEC 61946-2 Q Substance Prohibitance (Date) 15.02 2018 product function - ramp-up (soft starting) - ramp-down (soft stop) - Soft Torque - solution of the permission mount of the permission of the mission of the operating voltage of the portating voltage of the positive tole	blocking voltage of the thyristor maximum	1 400 V
maximum permissible voltage for safe Isolation • between main and auxiliary circuit • both ven sistance 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 mm to 6 Hz; 2g to 500 Hz vibration resistance 15 co 2018 venture resistance resistance 15 co 2018 ves ves ves ves ves ves ves ve	service factor	1
between main and auxillary circuit shock reststance 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 acc, to IEC 60947-4-2 AC 63a Geference code acc, to IEC 81346-2 Q Substance Prohibitance (Date) ramp-down (soft stor)	surge voltage resistance rated value	6 kV
shock resistance \text{tibitation resistance} \text{tibitation resistance} \text{tibitation resistance} \text{tibitation resistance} \text{tibitation resistance} \text{tibitation resistance} \text{tibitation category acc. to IEC 60947-4-2} \text{AC S3a} \text{cefference code acc. to IEC 81346-2} Description of the tibitation of tibitation of the tibitation of tibi	maximum permissible voltage for safe isolation	
vibration resistance 15 mm to 6 Hz; 2g to 500 Hz cutilization category acc. to IEC 80947-4-2 AC 53a reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 15.02.2018 product function Yes • ramp-down (soft storp) Yes • Soft Torque Yes • adjustable current limitation Yes • pump ramp down Yes • intrinsic device protection Yes Full motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes, Full motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes, Tull motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes, Tull motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes, Tull motor protection (thermistor motor protection and electronic motor overload protection) • evaluation of thermistor motor protection Yes, Tull motor protection (thermistor motor protection and electronic vessel protection and electronic vessel protection (thermistor motor protection in the protection of the protection vessel protection (thermistor motor	between main and auxiliary circuit	600 V
utilization category acc. to IEC 60947-4-2 reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) ramp-up (soft starting) ramp-down (soft stop) soft Torque yes adjustable current limitation pump ramp down intrinsic device protection evaluation of themistor motor protection evaluation of themistor motor protection ves: Full motor protection (thermistor motor protection and electronic motor overload protection) evaluation of themistor motor protection evaluation of themistor motor protection inside-delta circuit evaluation of themistor motor protection ves: Full motor protection (thermistor motor protection and electronic motor overload protection) Yes yes yes part part part part protection (thermistor motor protection and electronic motor overload protection) Yes yes part part part protection (thermistor motor protection and electronic motor overload protection) Yes yes part part part protection (thermistor motor protection and electronic motor overload protection) Yes part part part protection (thermistor motor protection and electronic motor overload protection) Yes yes part part part protection (thermistor motor protection and electronic motor overload protection) Yes yes part part part protection (thermistor motor protection and electronic motor overload protection) Yes yes part part part part protection (thermistor motor protection and electronic motor overload protection) Yes per part part part part part protection (thermistor motor protection and electronic motor overload protection) Yes yes protection (thermistor motor overload protection) Yes yes yes yes yes yes yes yes	shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
reference code acc. to IEC 81346-2 Substance Prohibitance (Date) Froduct function Framp-up (soft starting) Framp-down (soft stop) Framp-down (sof	vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
Substance Prohibitance (Date) product function **ramp-up (soft starling) **ramp-down (soft stop) **Soft Torque **Soft Torque **soft Torque **pes **adjustable current limitation **pes **pump ramp down **intrinsic device protection **pes **intrinsic device protection **pes **intrinsic device protection **pes **pump ramp down **pes **intrinsic device protection **pes **pump ramp down **pes **pes **pump ramp down **pes **pes **p	utilization category acc. to IEC 60947-4-2	AC 53a
product function in ramp-up (soft starting) in ramp-down (soft stop) soft Torque adjustable current limitation pump ramp down in trinsic device protection motor overload protection evaluation of thermistor motor protection inside-delta circuit reside to PROFIenergy in ramp down in trinsic device protection evaluation of thermistor motor protection inside-delta inside-delta circuit reside delta forcit yes yes in trinsic device protection yes; Full motor protection (thermistor motor protection and electronic motor overload protection) yes; Full motor protection (thermistor motor protection and electronic motor overload protection) yes; Full motor protection (thermistor motor protection and electronic motor overload protection) yes yes Part or Klixon / Thermoclick yes auto-RESET yes manual RESET yes manual RESET yes yes yes yes yonly in conjunction with special accessories yes; Only in conjunction with special accessories yes; Only in conjunction with special accessories yes proving measured value display yes; in connection with the PROFINET Standard communication module yes removable terminal for control circuit yes proving relative in this proving and proving	reference code acc. to IEC 81346-2	Q
e ramp-up (soft starting) e ramp-down (soft storp) e adjustable current limitation e pump ramp down e intrinsic device protection e valuation of thermistor motor protection and electronic motor overload protection) Pes; Type A PTC or Klixon / Thermoclick Yes e manual RESET yes e manual RESET yes e remote reset yes; By turning off the control supply voltage Yes; Only in conjunction with special accessories Yes; in connection with the PROFINET Standard communication module **Firmware update** **Firmware update** **Firmware update** **Firmware update** **Foreit end update** *	Substance Prohibitance (Date)	15.02.2018
• ramp-down (soft stop) • Soft Torque • Soft Torque • adjustable current limitation • pump ramp down • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset • communication function • operating measured value display • via software configurable • removable terminal for control circuit • firmware update • removable terminal for control circuit • torque control • analog output • other crated value • at 60 °C rated value • at inside-delta circuit relative logical circuit • at 60 °C rated value • at inside-delta circuit relative logical core 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 • relative negative tolerance of the operating voltage at inside-delta circuit relative negative tolerance of the operating voltage at inside-delta circuit relative negative tolerance of the operating voltage at inside-delta circuit relative negative tolerance of the operating voltage at inside-delta circuit relative negative tolerance of the operating voltage at inside-delta circuit relative negative tolerance of the operating voltage at inside-delta circuit relative negative tolerance of the operating voltage at inside-delta circuit relative negative tolerance of the operating voltage at inside-delta circuit.	product function	
Soft Torque adjustable current limitation pump ramp down intrinsic device protection where intrinsic device protection endor overload protection where intrinsic device protection we valuation of thermistor motor protection where intrinsic device protection where intrinsic motor overload protection (thermistor motor protection and electronic motor overload protection) where it is provided protection into the overload protection with special accessories **Ves** Only in conjunction with special accessories **Ves**	ramp-up (soft starting)	Yes
adjustable current limitation pump ramp down intrinsic device protection wotor overload protection evaluation of thermistor motor protection inside-delta circuit auto-RESET evaluation function communication with special accessories ves; Only in conjunction with special acce	ramp-down (soft stop)	Yes
intrinsic device protection indicate intrinsic protection in the protection in the protection in the protec	Soft Torque	Yes
intrinsic device protection motor overload protection motor overload protection evaluation of thermistor motor protection inside-delta circuit auto-RESET manual RESET remote reset communication function operating measured value display evia software parameterizable via software parameterizable via software parameterizable removable terminal for control circuit ves reactive control at 40 °C rated value at 60 °C rated value	 adjustable current limitation 	Yes
motor overload protection vealuation of thermistor motor protection inside-delta circuit inside-delta circuit vealuation of thermistor motor protection inside-delta circuit vealuation of thermistor motor protection vealuation of the control supply voltage vealuation of the control supply voltage vealuation of the control supply voltage vealuation function vealuation of the control supply voltage vealuation function vealuation origination with special accessories vealuation supply voltage vealuation origination with special accessories vealuation origination with special accesories vealuation origination with special acces	 pump ramp down 	Yes
evaluation of thermistor motor protection inside-delta circuit auto-RESET yes manual RESET remote reset communication function via software parameterizable via control ves removable terminal for control circuit ves verelectronics operational current at 40 °C rated value at 60 °C rated value at 60 °C rated value value at 60 °C rated value value at 60 °C rated value	 intrinsic device protection 	Yes
inside-delta circuit auto-RESET manual RESET remote reset communication function operating measured value display in error logbook via software parameterizable via software configurable infirmware update removable terminal for control circuit informace control analog output ves operational current at 40 °C rated value at 60 °C rated value at 60 °C rated value read to 60 °C rated value at 60 °C r	motor overload protection	
auto-RESET manual RESET manual RESET remote reset communication function operating measured value display error logbook via software parameterizable ves; Only in conjunction with special accessories ves; Only in conjunction with special accessories ves; Only in conjunction with special accessories via software parameterizable via software configurable ves PROFlenergy firmware update removable terminal for control circuit ves removable terminal for control circuit ves removable terminal for control circuit ves ves ves ves ves ves ves ve	 evaluation of thermistor motor protection 	Yes; Type A PTC or Klixon / Thermoclick
manual RESET remote reset remote reset communication function operating measured value display error logbook via software parameterizable via software configurable via software configurable ves PROFlenergy removable terminal for control circuit torque control analog output voverelectronics operating measured value at 40 °C rated value at 60 °C rated value are do °C rated value are at 60 °C rated value ar	 inside-delta circuit 	Yes
remote reset communication function operating measured value display error logbook via software parameterizable via software configurable ves ves; Only in conjunction with special accessories No ves ves; only in conjunction with special accessories ves; on conjunction with the PROFINET Standard communication module ves constant special accessories ves; on connection with the PROFINET Standard communication module ves connection with the PR	auto-RESET	Yes
communication function operating measured value display error logbook via software parameterizable via software configurable via software control control via software control control via software control control	 manual RESET 	Yes
operating measured value display error logbook via software parameterizable via software configurable via software configurable via software configurable ves PROFlenergy Yes; in connection with the PROFINET Standard communication module removable terminal for control circuit ves removable terminal for control circuit ves incrupe control analog output No analog output ves at 40 °C rated value at 60 °C rated value operating voltage irated value at inside-delta circuit rated value at inside-delta circuit rated value relative positive tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit 10 % 10 %	 remote reset 	Yes; By turning off the control supply voltage
error logbook via software parameterizable via software configurable via software configurable via software configurable PROFlenergy Yes; in connection with the PROFINET Standard communication module removable terminal for control circuit ves removable terminal for control circuit vorque control analog output No over 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 value at 60 °C rated value at inside-delta circuit r	 communication function 	Yes
via software parameterizable via software configurable ves PROFlenergy Yes; in connection with the PROFINET Standard communication module firmware update removable terminal for control circuit ves removable terminal for control circuit ves removable terminal for control circuit ves relative positive tolerance of the operating voltage at inside-delta circuit ves verian software parameterizable ves ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves; in connection with the PROFINET Standard communication module ves a torque vess.	 operating measured value display 	Yes; Only in conjunction with special accessories
via software configurable PROFlenergy Yes; in connection with the PROFINET Standard communication module Yes removable terminal for control circuit Yes torque control analog output No analog output No Over Electronics Operational current at 40 °C rated value at 50 °C rated value To fact devalue	 error logbook 	Yes; Only in conjunction with special accessories
• PROFlenergy • firmware update • removable terminal for control circuit • torque control • analog output • analog output • at 40 °C rated value • at 60 °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 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 positive tolerance of the operating voltage at inside-delta circuit	 via software parameterizable 	No
• firmware update • removable terminal for control circuit • torque control • analog output • or analog output • or rated value • at 40 °C rated value • at 60 °C rated value • at inside-delta circuit rated value • at inside-delta circuit rated value • at inside-delta circuit rated value relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 %	 via software configurable 	Yes
• removable terminal for control circuit • torque control • analog output No ower Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 50 °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 • at inside-delta circuit rated value 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 10 %	PROFlenergy	
• torque control • analog output No ower Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 40 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 40 °C rated value otational 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 • at inside-delta circuit rated value • at inside-delta circuit rated value relative positive 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 10 %	• firmware update	Yes
analog output No over Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 40 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit relative positive 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 positive tolerance of the operating voltage at inside-delta circuit 10 %	 removable terminal for control circuit 	Yes
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 40 °C rated value • at 40 °C rated value • at 60 °C rated value • at 40 °C rated value • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • rated value • rated value • at inside-delta circuit rated value 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 relative positive tolerance of the operating voltage at inside-delta circuit 10 %	torque control	No
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 161 A • at 50 °C rated value 161 A • at 50 °C rated value 131 A operating voltage • rated value 131 A operating voltage • rated value 200 480 V • at inside-delta circuit rated value 200 480 V relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit 10 %	analog output	No
 at 40 °C rated value at 50 °C rated value at 60 °C rated value 76 A Operational current at inside-delta circuit at 40 °C rated value at 40 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value 200 480 V at inside-delta circuit rated value 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 10 % 	Power Electronics	
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 200 480 V 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 10 %	operational current	
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 40 °C rated value 	93 A
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 • rated value • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 %	 at 50 °C rated value 	83 A
 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 10 % relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit 10 % 	at 60 °C rated value	76 A
 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 10 % -15 % -15 % -15 % -15 % -10 % -15 % -10 % 	operational current at inside-delta circuit	
 at 60 °C rated value operating voltage rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage 10 % -15 % -15 % -15 % -15 % -10 % -1	at 40 °C rated value	161 A
operating voltage	at 50 °C rated value	143 A
 rated value at inside-delta circuit rated value 200 480 V relative negative tolerance of the operating voltage relative positive 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 10 % 	• at 60 °C rated value	131 A
 rated value at inside-delta circuit rated value 200 480 V relative negative tolerance of the operating voltage relative positive 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 10 % 	operating voltage	
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 10 % 10 %		200 480 V
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 10 % 10 % 10 %	at inside-delta circuit rated value	200 480 V
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 10 % 10 % 10 %	relative negative tolerance of the operating voltage	-15 %
relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit -15 % 10 %	relative positive tolerance of the operating voltage	10 %
inside-delta circuit	relative negative tolerance of the operating voltage at inside-delta circuit	-15 %
operating power for 3-phase motors	relative positive tolerance of the operating voltage at inside-delta circuit	10 %
	operating power for 3-phase motors	

-t 000 V -t 40 %0t- dl	00 144
• at 230 V at 40 °C rated value	22 kW
at 230 V at inside-delta circuit at 40 °C rated value	45 kW
• at 400 V at 40 °C rated value	45 kW
at 400 V at inside-delta circuit at 40 °C rated value	90 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz -10 %
relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency	10 %
adjustable motor current	10 76
at rotary coding switch on switch position 1	40.5 A
at rotary coding switch on switch position 2	44 A
at rotary coding switch on switch position 3	47.5 A
at rotary coding switch on switch position 4 at rotary coding switch on switch position 4	51 A
at rotary coding switch on switch position 5	54.5 A
at rotary coding switch on switch position 6	58 A
at rotary coding switch on switch position 7	61.5 A
at rotary coding switch on switch position 8	65 A
at rotary coding switch on switch position 9	68.5 A
at rotary coding switch on switch position 10	72 A
at rotary coding switch on switch position 11	75.5 A
at rotary coding switch on switch position 12	79 A
at rotary coding switch on switch position 13	82.5 A
at rotary coding switch on switch position 14	86 A
at rotary coding switch on switch position 15	89.5 A
 at rotary coding switch on switch position 16 	93 A
• minimum	40.5 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	70.1 A
 for inside-delta circuit at rotary coding switch on switch position 2 	76.2 A
 for inside-delta circuit at rotary coding switch on switch position 3 	82.3 A
 for inside-delta circuit at rotary coding switch on switch position 4 	88.3 A
 for inside-delta circuit at rotary coding switch on switch position 5 	94.4 A
 for inside-delta circuit at rotary coding switch on switch position 6 	100 A
 for inside-delta circuit at rotary coding switch on switch position 7 	107 A
 for inside-delta circuit at rotary coding switch on switch position 8 	113 A
for inside-delta circuit at rotary coding switch on switch position 9 for inside delta size with the rotary coding switch on the size with the rotary coding switch on the size with the siz	119 A
for inside-delta circuit at rotary coding switch on switch position 10 for inside delta significant paters and in a switch or	125 A
for inside-delta circuit at rotary coding switch on switch position 11 for inside delta significant paters and in a switch or	131 A
for inside-delta circuit at rotary coding switch on switch position 12 for inside delta significant paters and in a switch on	137 A
 for inside-delta circuit at rotary coding switch on switch position 13 	143 A
 for inside-delta circuit at rotary coding switch on switch position 14 	149 A
 for inside-delta circuit at rotary coding switch on switch position 15 	155 A
 for inside-delta circuit at rotary coding switch on switch position 16 	161 A
at inside-delta circuit minimum	70.1 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	40.14/
at 40 °C after startup at 50 °C after startup	40 W
 at 50 °C after startup 	37 W

• at 60 °C after startup	35 W
·	00 VV
power loss [W] at AC at current limitation 350 % • at 40 °C during startup	1 270 W
	1 270 W
• at 50 °C during startup	
at 60 °C during startup	959 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
● at 50 Hz	110 250 V
• at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply voltage frequency	-10 %
relative positive tolerance of the control supply voltage frequency	10 %
control supply current in standby mode rated value	30 mA
holding current in bypass operation rated value	75 mA
locked-rotor current at close of bypass contact	2.5 A
maximum	
inrush current peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
design of short-circuit protection for control circuit Inputs/ Outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is
Inputs/ Outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is
	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	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 number of digital outputs • not parameterizable	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)
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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0
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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A
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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm
Inputs/ Outputs number of digital inputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.9 kg
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm

width of connection bar maximum	25 mm
wire length for thermistor connection	
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	250 111
for main contacts for box terminal using the front clamping point solid	1x (2.5 16 mm²)
 for main contacts for box terminal using the front clamping point finely stranded with core end processing 	1x (2.5 50 mm²)
 for main contacts for box terminal using the front clamping point stranded 	1x (10 70 mm²)
 at AWG cables for main contacts for box terminal using the front clamping point 	1x (10 2/0)
 for main contacts for box terminal using the back clamping point solid 	1x (2.5 16 mm²)
 at AWG cables for main contacts for box terminal using the back clamping point 	1x (10 2/0)
 for main contacts for box terminal using both clamping points solid 	2x (2.5 16 mm²)
 for main contacts for box terminal using both clamping points finely stranded with core end processing 	2x (2.5 35 mm²)
 for main contacts for box terminal using both clamping points stranded 	2x (6 16 mm²), 2x (10 50 mm²)
 for main contacts for box terminal using the back clamping point finely stranded with core end processing 	1x (2.5 50 mm²)
 for main contacts for box terminal using the back clamping point stranded 	1x (10 70 mm²)
type of connectable conductor cross-sections	
for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
 for control circuit finely stranded with core end processing 	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
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 	4.5 6 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 	40 53 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 acc. 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 acc. to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
 during transport acc. to IEC 60721 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
EMC emitted interference Communication/ Protocol	acc. to IEC 60947-4-2: Class A
	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	acc. to IEC 60947-4-2: Class A Yes
Communication/ Protocol communication module is supported	

• Modbus TCP

PROFIBUS

Yes

Yes

UL/CSA ratings

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 insidedelta 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 High Faults at inside-delta circuit up to 575/600 V according to UL

Siemens type: 3VA51, max. 125 A; Iq = 10 kA

Siemens type: 3VA51, max. 125 A; Iq max = 65 kA

Siemens type: 3VA51, max. 125 A; Iq = 10 kA

Siemens type: 3VA51, max. 125 A; Iq max = 65 kA

Siemens type: 3VA51, max. 125 A; Iq = 10 kA

Siemens type: 3VA51, max. 125 A; Iq = 10 kA

Type: Class RK5 / K5, max. 300 A; Iq = 10 kA

Type: Class J / L, max. 250 A; Iq = 100 kA

Type: Class RK5 / K5, max. 300 A; Iq = 10 kA

Type: Class J / L, max. 250 A; Iq = 100 kA

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

 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 460/480 V at inside-delta circuit at 50 °C rated value

25 hp

30 hp

60 hp 40 hp

50 hp 100 hp

contact rating of auxiliary contacts according to UL

R300-B300

Safety related data

protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529

electromagnetic compatibility

IP00: IP20 with cover

finger-safe, for vertical contact from the front with cover

in accordance with IEC 60947-4-2

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity











UK Declaration of Conformity

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=3RW5227-1TC14

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5227-1TC14}$

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$

https://support.industry.siemens.com/cs/ww/en/ps/3RW5227-1TC14

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5227-1TC14&lang=en

Characteristic: Tripping characteristics, I^2t , Let-through current

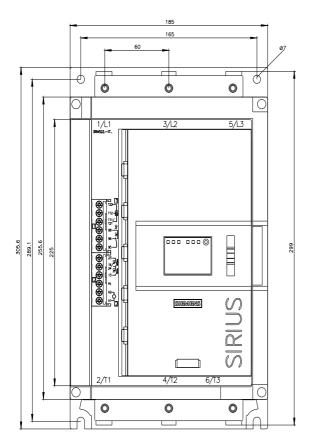
https://support.industry.siemens.com/cs/ww/en/ps/3RW5227-1TC14/char

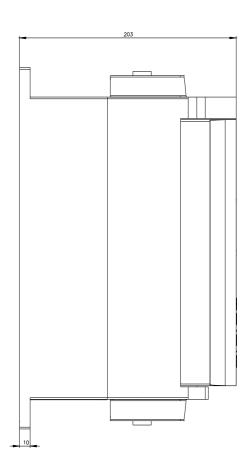
Characteristic: Installation altitude

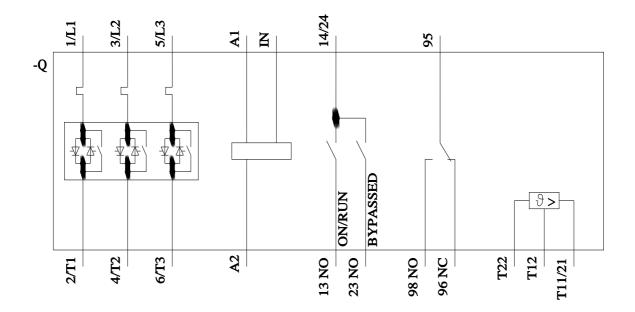
 $\underline{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5227-1TC14\&objecttype=14\&gridview=view1}$

Simulation Tool for Soft Starters (STS)

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







last modified: 9/21/2021 🖸